

Buckle Up



For Life

It's Our Law

It's Our Law

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1986

Accident Facts



Iowa Department
of Transportation



Foreward

The 1986 FACT Book has a new look. The format changes include sections on trends, who was involved, when crashes happened, where they happened, alcohol-related accidents, occupant restraints, and a summary of collisions by vehicle types.

Detailed national data is no longer included. The alcohol information has been expanded and combined into one section. Occupant restraint information has also been expanded.

The accident summary and vehicle pages emphasize the number of accidents. Percentages are based on known information; unknown cases are also noted. Percentages may not total 100 due to rounding.

Because of a change in coding procedures, recreational vehicles were not included on a separate vehicle page. In future years, all-terrain-vehicles (ATVs) will replace recreational vehicles as a subject page.



Iowa Department
of Transportation

Motor Vehicle Division
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Acknowledgement

The Iowa Department of Transportation wishes to express appreciation to all law enforcement agencies and officers for their work in accident investigation which made this report possible. All information concerning Iowa traffic accidents was taken from report forms provided by investigating officers and drivers involved in accidents.

We hope this information will be of value in analyzing the causes of traffic accidents in Iowa, and that it emphasizes the need for concerned, well-prepared drivers and a safe driving environment.

Prepared by
Driver Safety & Improvement Section
Office of Driver Services

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Glossary

Traffic accident: Iowa law requires motorists to report any accident which involves one or more vehicles and results in death, personal injury or property damage of at least \$500. The information in this report, however, is based only on those accidents which occurred on public roads.

Fatal accident: Accident in which one or more persons are killed.

Personal injury accident: Accident in which no one is killed, but one or more persons are injured.

Property damage accident: Accident in which no one is killed or injured, but there is property damage of \$500 or more.

Fatality: Person killed as a result of a traffic accident.

Alcohol-related: An accident where either a driver, bicyclist or pedestrian is listed on the motor vehicle accident report as drinking prior to the accident.

Vehicle miles: Iowa vehicle-mile figures are the estimated total number of miles traveled on Iowa primary and secondary highways, urban and rural roads, and streets by all vehicles during a given period.

Fatality rate: Number of fatalities per 100 million vehicle miles.

Accident rate: Number of accidents per 100 million vehicle miles, unless otherwise stated.

Occupant restraint: Safety belt, child safety seat or passive restraints.

SUMMARY

General

1986: A look at Iowa

Accidents by month		Fatal Accidents by month	Fatalities
61,683		388	441
5,752	Dec.	31	36
6,508	Nov.	31	37
5,927	Oct.	26	32
4,958	Sept.	42	51
5,288	Aug.	40	43
5,072	July	36	40
4,813	June	47	49
5,400	May	32	36
4,357	April	38	43
3,972	March	23	24
4,753	Feb.	18	24
4,883	Jan.	24	26

In Iowa there was . . .

- 1 accident every 8.5 minutes
- 1 driver out of 19.2 involved in an accident
- 1.2 lives lost per day because of traffic accidents. (A total of 441 lives were lost in 1986.)
- 73.1 persons injured per day because of traffic accidents. (A total of 26,669 persons were injured in 1986.)

In Iowa, motor vehicle accidents decreased 3.1 percent in 1986 from the 63,624 accidents recorded in 1985. Fatalities decreased 6.8 percent in 1986 from 473 fatalities reported in 1985.

Nationally there were:

41,062* fatal accidents

46,056* fatalities

Fatalities increased 5.1 percent in 1986 from the 43,825 fatalities reported in 1985.

*Preliminary

Ten-Year Iowa Traffic Trends 1977-1986

Accidents Thousands of accidents Down 29.7% in 10 years 87.8 91.2 87.0 77.8 68.3 61.5 61.2 62.8 63.6 61.7 77 78 79 80 81 82 83 84 85 86	Deaths Number of deaths Down 31.1% in 10 years 640 650 655 626 612 480 510 420 473 441 77 78 79 80 81 82 83 84 85 86
Injuries Thousands of injuries Down 17.3% in 10 years 32.3 31.6 30.0 29.1 28.8 25.9 26.1 27.9 27.0 26.7 77 78 79 80 81 82 83 84 85 86	Mileage Death Rate Death per 100 million vehicle miles Down 36.0% in 10 years 3.36 3.34 3.45 3.42 3.27 2.48 2.59 2.05 2.35 2.15 77 78 79 80 81 82 83 84 85 86
Vehicle Miles Traveled Billions of miles Up 7.6% in 10 years 19.03 19.47 18.96 18.31 18.72 19.39 19.71 20.48 20.10 20.48 77 78 79 80 81 82 83 84 85 86	Motor Vehicle Registrations Millions of vehicles Down 16.7% in 10 years 2.4 2.5 2.5 2.6 2.6 2.6 2.5 2.7 2.8 2.8 77 78 79 80 81 82 83 84 85 86
National Fatality Rate Deaths per 100 million vehicle miles Down 23.9% in 10 years 3.26 3.26 3.34 3.34 3.18 2.76 2.57 2.58 2.47 2.48* 77 78 79 80 81 82 83 84 85 86	National Fatalities Number of deaths Down 3.8% in 10 years 47,878 50,331 41,093 51,091 49,301 43,945 42,589 44,257 43,795 46,056* 77 78 79 80 81 82 83 84 85 86

*Preliminary

Ten-Year Iowa Traffic Trends 1977-1986

Pedestrian Deaths Number of deaths Down 35.8% in 10 years <table><tr><td>53</td><td>58</td><td>45</td><td>39</td><td>46</td><td>38</td><td>34</td><td>41</td><td>28</td><td>34</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	53	58	45	39	46	38	34	41	28	34	77	78	79	80	81	82	83	84	85	86	Pedestrian Injuries Number of injuries Down 24.2% in 10 years <table><tr><td>1,044</td><td>973</td><td>905</td><td>801</td><td>912</td><td>742</td><td>740</td><td>845</td><td>765</td><td>791</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	1,044	973	905	801	912	742	740	845	765	791	77	78	79	80	81	82	83	84	85	86
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Bicyclist Deaths Number of deaths <table><tr><td>8</td><td>5</td><td>8</td><td>11</td><td>12</td><td>12</td><td>2</td><td>10</td><td>9</td><td>5</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	8	5	8	11	12	12	2	10	9	5	77	78	79	80	81	82	83	84	85	86	Bicyclist Injuries Number of injuries Up 1.1% in 10 years <table><tr><td>652</td><td>550</td><td>545</td><td>660</td><td>624</td><td>555</td><td>585</td><td>637</td><td>582</td><td>659</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	652	550	545	660	624	555	585	637	582	659	77	78	79	80	81	82	83	84	85	86
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Motorcyclist Deaths Number of deaths Down 23.2% in 10 years <table><tr><td>69</td><td>75</td><td>83</td><td>76</td><td>74</td><td>66</td><td>54</td><td>44</td><td>57</td><td>53</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	69	75	83	76	74	66	54	44	57	53	77	78	79	80	81	82	83	84	85	86	Motorcyclist Injuries Number of injuries Down 26.3% in 8 years <table><tr><td>N/A</td><td>N/A</td><td>2,463</td><td>2,737</td><td>2,661</td><td>2,048</td><td>2,079</td><td>2,091</td><td>1,915</td><td>1,816</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	N/A	N/A	2,463	2,737	2,661	2,048	2,079	2,091	1,915	1,816	77	78	79	80	81	82	83	84	85	86
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Moped Deaths Number of deaths <table><tr><td>NA</td><td>1</td><td>1</td><td>1</td><td>5</td><td>3</td><td>6</td><td>3</td><td>0</td><td>2</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	NA	1	1	1	5	3	6	3	0	2	77	78	79	80	81	82	83	84	85	86	Moped Injuries Number of injuries Down 1.9% in 8 years <table><tr><td>N/A</td><td>N/A</td><td>363</td><td>441</td><td>460</td><td>435</td><td>486</td><td>472</td><td>436</td><td>356</td></tr><tr><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td></tr></table>	N/A	N/A	363	441	460	435	486	472	436	356	77	78	79	80	81	82	83	84	85	86
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N/A	N/A	363	441	460	435	486	472	436	356																																
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SUMMARY

Iowa Trends 1970-1986

Year	All Acc.	Fatalities	Persons Injured	Fatal Acc.	Injury Acc.	Vehicle Miles (Million)	Fatality ² Rate	Fatal ² Acc. Rate	All ² Acc. Rate	Licensed Drivers	Motor Vehicle Registrations
1970	87,808	912	33,101	752	22,339	16,053	5.68	4.68	547.0	1,678,262	1,839,530
1971	87,100	828	31,599	681	21,411	16,582	4.99	4.11	525.3	1,704,137	1,916,850
1972	91,918	875	35,484	722	23,814	17,127	5.11	4.22	536.7	1,752,595	2,012,245
1973	96,620	813	35,059	682	24,683	17,691	4.60	3.86	546.2	1,787,169	2,095,330
1974	91,117	685	31,741	583	22,851	17,250	3.97	3.38	528.2	1,846,870	2,178,530
1975	94,825	674	32,802	578	23,082	17,853	3.78	3.24	531.1	1,865,754	2,250,417
1976 ¹	98,000	785	34,096	663	24,218	18,441	4.26	3.60	531.4	1,959,150	2,300,721
1977	87,771	640	32,289	561	22,358	19,028	3.36	2.95	461.3	2,085,647	2,356,327
1978	91,213	650	31,631	563	21,651	19,467	3.34	2.89	468.6	2,398,656	2,474,790 ³
1979	86,969	655 ⁴	29,972	566 ⁴	20,727	18,959	3.45	2.99	458.7	2,419,501	2,540,547 ³
1980	77,800	626	29,100	541	20,280	18,305	3.42	2.96	425.0	2,408,793	2,554,379 ³
1981	68,263	612	28,776	529	19,945	18,715	3.27	2.83	364.8	2,472,614	2,592,604 ³
1982	61,549	480	25,905	431	17,933	19,391 ⁶	2.48 ⁶	2.22 ⁶	317.4 ⁶	1,977,911 ⁵	2,577,994 ³
1983	61,190	510	26,050	434	18,049	19,712	2.59	2.20	310.4	1,998,982	2,542,267 ³
1984	62,818	420	27,868	376	19,378	20,481 ⁶	2.05 ⁶	1.84 ⁶	306.7 ⁶	2,000,085	2,655,529 ³
1985	63,624	473	26,988	415	18,752	20,104 ⁶	2.35 ⁶	2.06 ⁶	316.5 ⁶	1,970,272	2,761,016 ³
1986	61,683	441	26,669	388	18,522	20,481	2.15	1.89	301.2	1,949,108	2,804,689 ³

1 All accident figures for 1976 are estimated except for figures on fatal accidents.

2 Per 100 million vehicle miles traveled.

3 Revised by DOT Office of Driver Services to exclude trailers, travel trailers and trucks licensed to operate in more than one state.

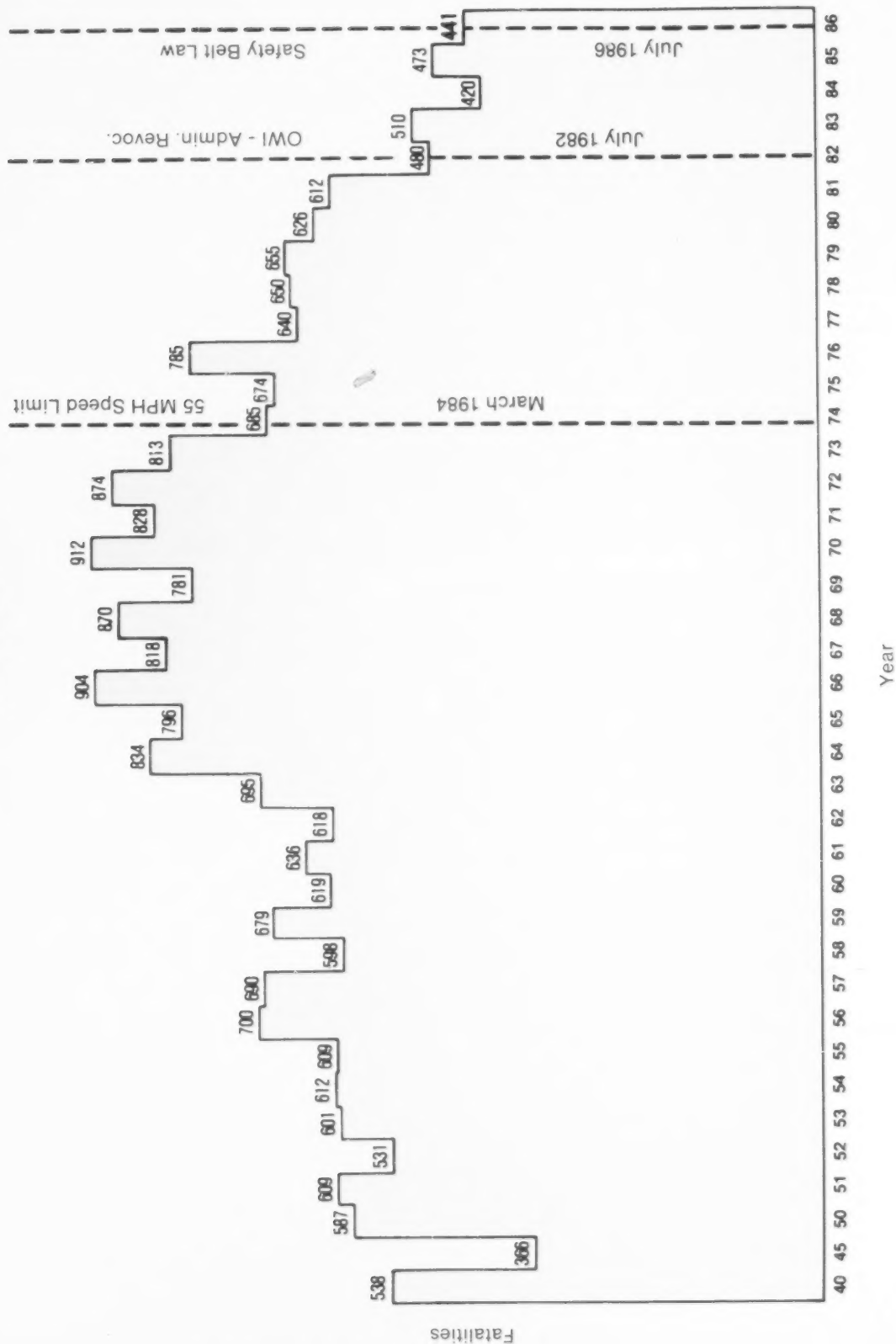
Vehicles registered to Iowa non-residents are included if they are registered to a specific county.

4 Beginning with 1979, figures for fatalities and fatal accidents are based on persons who died within 30 days of the traffic accident. Previous years' totals included persons who died within one year of the accident.

5 Drop in number of licensed drivers is due to more accurate method of computation.

6 Revised.

Iowa Traffic Fatalities 1940-1986



Who Was Involved

Drivers/Age

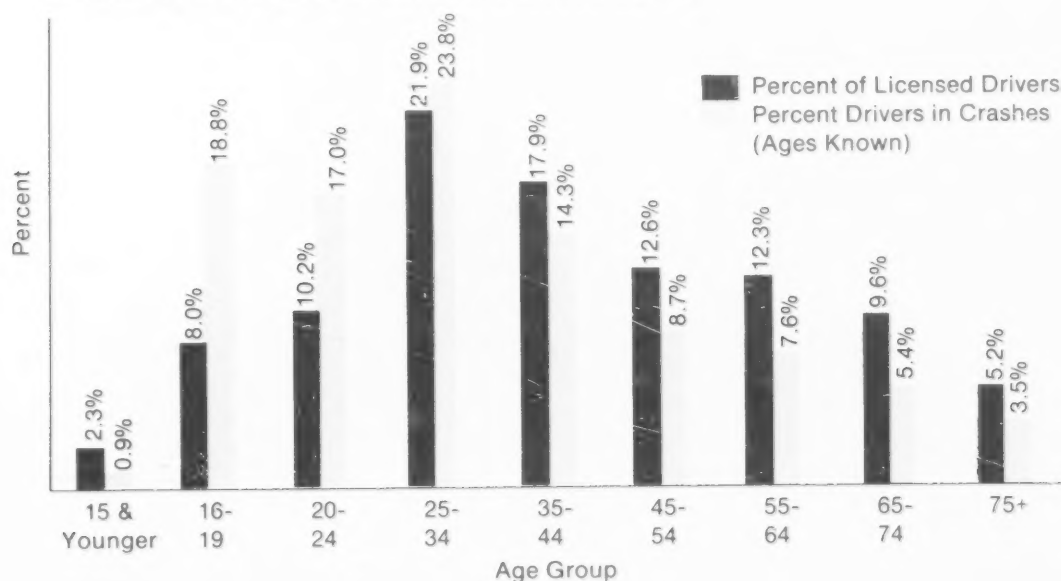
Age	Licensed Drivers*	Drivers Involved in Accidents	Drivers Involved in Fatal Acc.	Acc. Rate**†	Fatal Acc. Rate**†
15 & younger	44,957	922	5	205.1	1.1
16	49,088	4,597	19	936.5	3.9
17	36,483	4,766	26	1,306.4	7.1
18	35,415	4,405	35	1,243.8	9.9
19	35,687	4,034	35	1,130.4	9.8
20	37,476	3,544	21	945.7	5.6
21	40,236	3,379	12	839.8	3.0
22	39,184	3,224	23	822.8	5.9
23	40,746	3,074	27	754.4	6.6
24	41,616	2,841	21	682.7	5.0
25-34	427,454	22,502	119	526.4	2.8
35-44	347,871	13,555	81	389.7	2.3
45-54	245,831	8,197	42	333.4	1.7
55-64	238,583	7,213	40	302.2	1.7
65-74	187,992	5,078	38	270.1	2.0
75 & older	100,389	3,276	27	326.3	2.7
Total (age known)	1,949,108	94,607	571		
Age unknown		6,827	8		
GRAND TOTAL	1,949,108	101,434	579	520.4	3.0

* Includes instruction permits and school permits (permits to drive to and from school)

** Accidents/fatal accidents per 10,000 licensed drivers

† Accident rates can be converted to percentage figures by moving the decimal two spaces to the left. For example - for age 17 the accident rate is 1,306.4 per 10,000 licensed drivers. As a percentage, the accident rate is 13.06. This means 13 percent of all 17-year-olds licensed in Iowa were involved in accidents during 1986.

Licensed vs. Crash-Involved Drivers by Age



Who Was Involved

Drivers/Sex

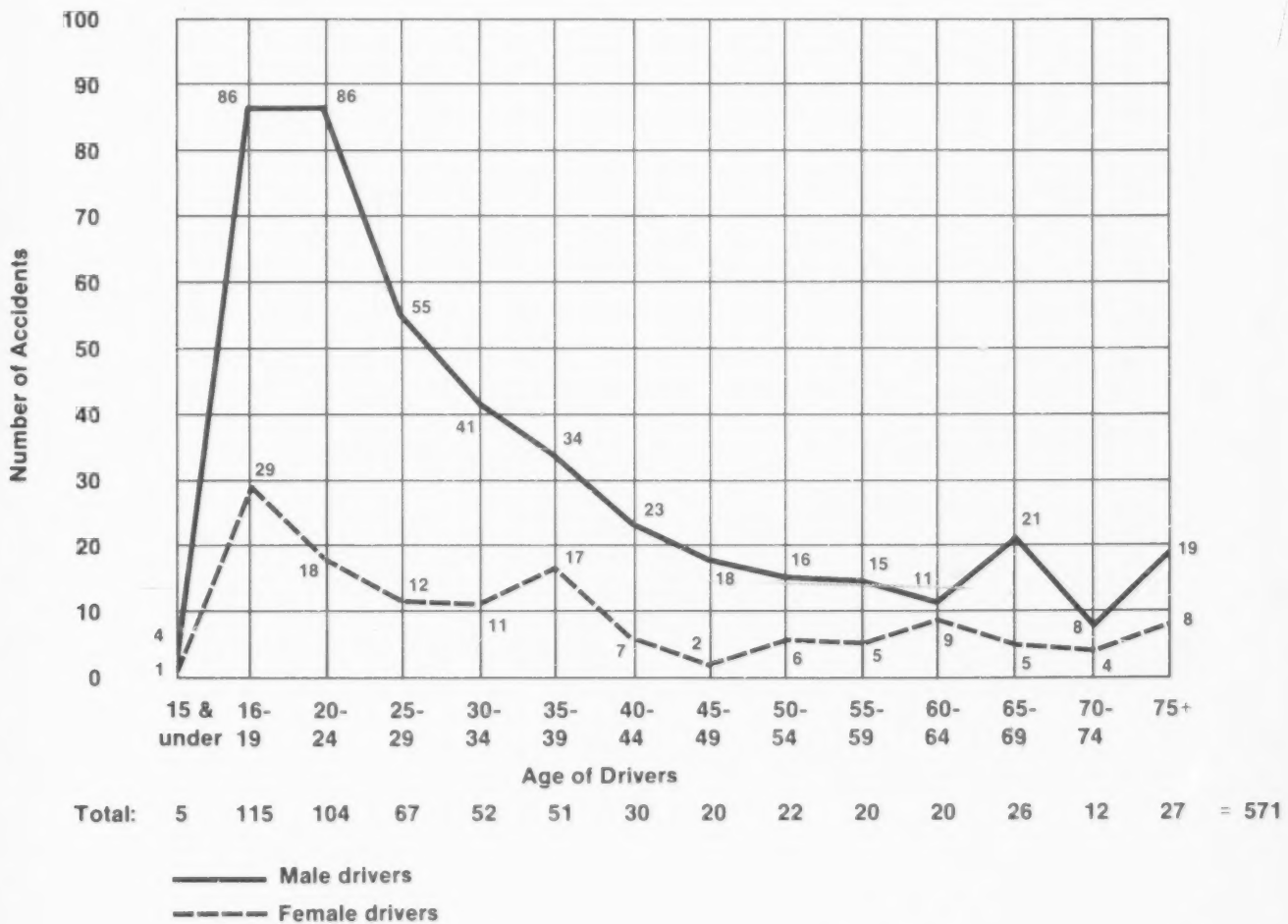
Sex	Licensed Drivers ¹	Drivers Involved In Accidents		Driver Involved In Fatal Acc.		Acc. Rate ^{2 3}	Fatal Acc. Rate ^{2 3}
Male	953,639	67,785	(69.2)	440	(76.7)	710.8	4.6
Female	995,469	30,150	(30.8)	134	(23.3)	302.9	1.3
Total (sex known)	1,949,108	97,935		574			
Sex Unknown		3,499		5			
GRAND TOTAL	1,949,108	101,434		579		520.4	3.0

¹ Includes instruction permits and school permits (permits to drive to and from school)

² Accidents/fatal accidents per 10,000 licensed drivers

³ Accident rates can be converted to percentage figures by moving the decimal two spaces to the left. For example - for age 17 the accident rate is 1,306.4 per 10,000 licensed drivers. As a percentage, the accident rate is 13.06. This means 13 percent of all 17-year-olds licensed in Iowa were involved in accidents during 1986.

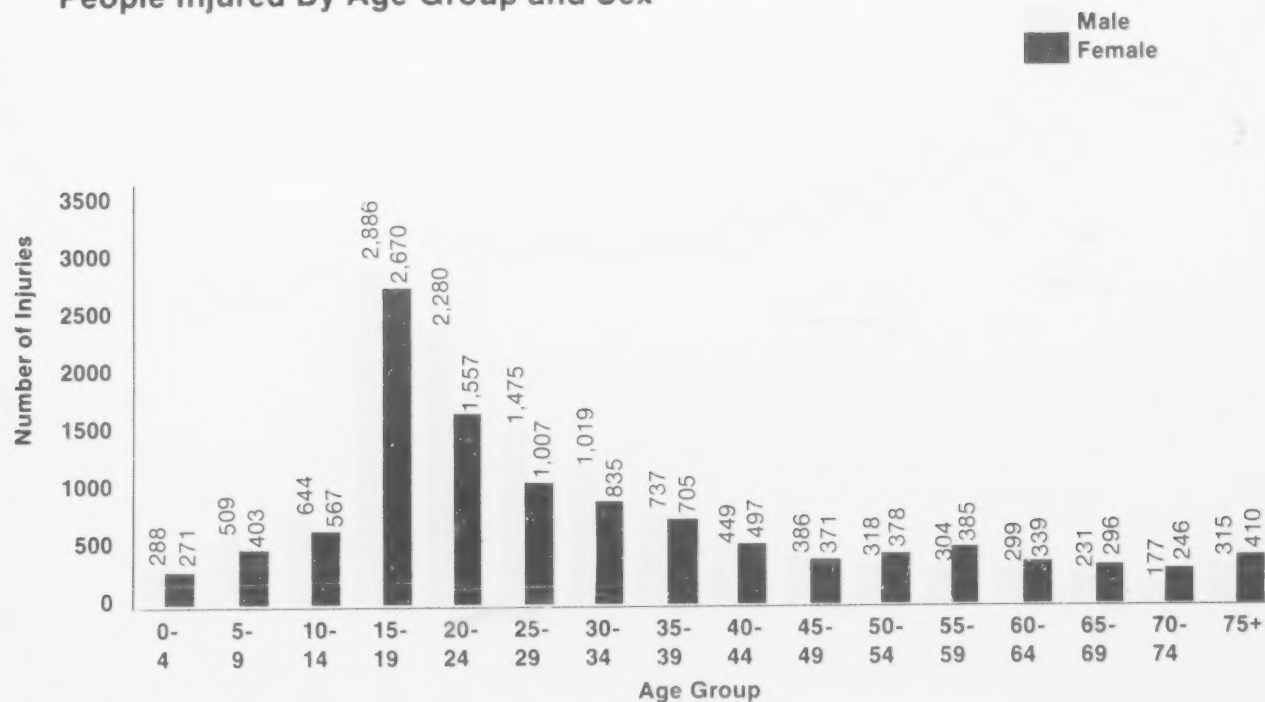
Fatal Accidents



Who Was Involved

Injured/Age

People Injured By Age Group and Sex



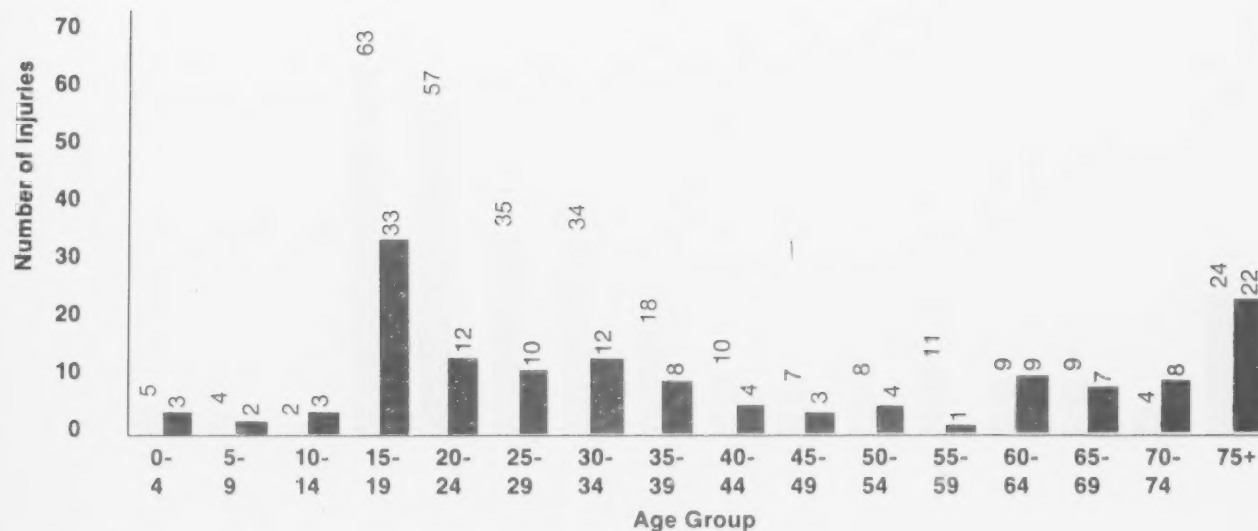
Age Group	Injured			Total
	Male	Female	Unknown	
0- 4	288	271	53	612
5- 9	509	403	65	977
10-14	644	567	81	1,292
15-19	2,886	2,670	440	5,996
20-24	2,280	1,557	328	4,165
25-29	1,475	1,007	239	2,721
30-34	1,019	835	211	2,065
35-39	737	705	168	1,610
40-44	449	497	116	1,062
45-49	386	371	81	838
50-54	318	378	59	755
55-59	304	385	65	754
60-64	299	339	68	706
65-69	231	296	50	577
70-74	177	246	41	464
75+	315	410	45	770
Not Stated	388	394	523	1,305
Grand Total	12,705	11,331	2,633	26,669

Who Was Involved

Fatalities

People Killed By Age Group and Sex

Male
Female



Age Group	Injured		Total
	Male	Female	
0- 4	5	3	8
5- 9	4	2	6
10-14	2	3	5
15-19	63	33	96
20-24	57	12	69
25-29	35	10	45
30-34	34	12	46
35-39	18	8	26
40-44	10	4	14
45-49	7	3	10
50-54	8	4	12
55-59	11	1	12
60-64	9	9	18
65-69	9	7	16
70-74	4	8	12
75+	24	22	46
Grand Total	300	141	441

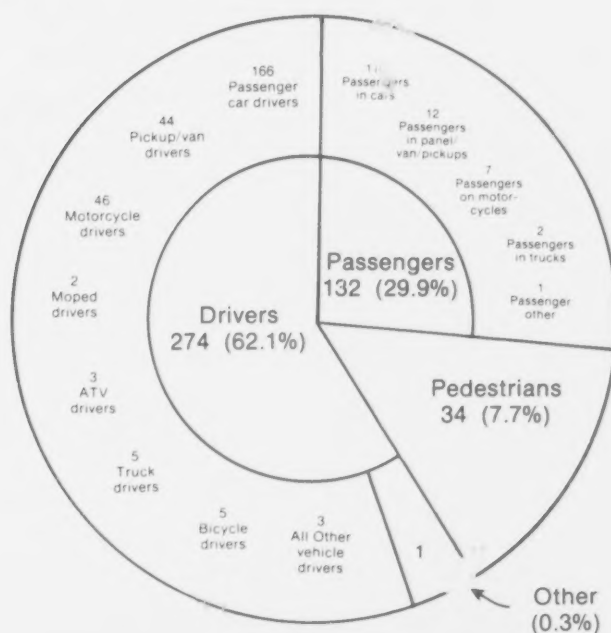
Who Was Involved

Vehicle Type

People Killed and Injured in Various Vehicle Types

Vehicle Type	Fatalities	Severe Injuries	Minor Injuries	Total
Automobile	276	2,146	16,887	19,309
Automobile/pickup with trailer or camper	0	17	109	126
Bus	0	1	45	46
School bus	0	3	53	56
Bicycle	5	118	541	664
Moped	2	61	295	358
Motorcycle	53	505	1,311	1,869
Farm vehicle	2	18	39	59
Motor home	0	1	23	24
Panel/van/pickup	56	402	2,602	3,060
Straight truck	0	22	127	149
Tow/maintenance/construction vehicle	2	2	30	34
Truck tractor	0	8	12	20
Truck tractor with trailer	7	39	255	301
Other/unknown	4	24	182	210
Total	407	3,367	22,511	26,285

Drivers, Passengers and Pedestrians Killed in 1986



Who Was Involved

Pedestrians

Alcohol-Related Pedestrian Accidents:

	Fatal Acc.		Injury Acc.	
	No.	%	No.	%
Pedestrian (only) drinking	8	23.5	41	5.5
Driver (only) drinking	2	5.9	30	4.0
Pedestrian and driver drinking	2	5.9	13	1.7
No alcohol involvement	20	58.8	652	86.8
Unknown	2	5.9	15	2.0
Total	34		751	

Fatalities:

Age	Killed	%	Injured	%
0-4	2	5.9	65	8.2
5-9	1	2.9	174	22.0
10-14	3	8.8	100	12.6
15-19	3	8.8	99	12.5
20-24	1	2.9	67	8.5
25-44	11	32.4	124	15.7
45-64	5	14.7	62	7.8
65+	8	23.5	73	9.2
Not stated	--	--	27	3.4
Total	34		791	

Of all pedestrian fatalities, 32.4% were persons under 10 or over 64 years of age.

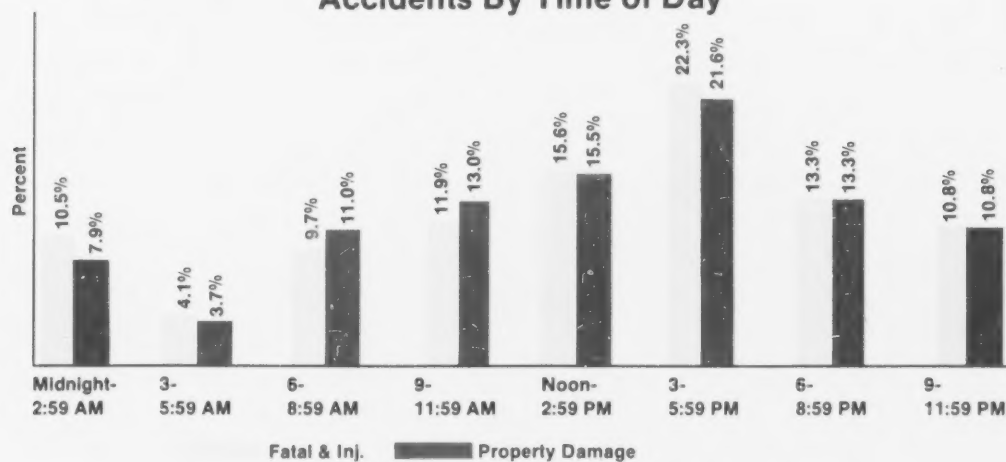
All Pedestrian Accidents:

Pedestrian Action	Killed	Injured	Driver Action/ Contributing Circum.*	Fatal Acc.	Injury Acc.
Crossing against signal	0	45	Ran traffic control	0	4
Crossing, not at crosswalk	9	132	Improper passing	0	1
Walking, improper position on roadway	7	33	Left of center, not passing	1	3
Soliciting rides on road	0	3	Failure to yield	4	73
Walking with traffic	3	32	Speeding	1	17
Walking against traffic	2	12	Improper turn	0	2
Crossing with signal or in crosswalk	2	98	Improper lane change	1	0
Ran onto roadway or into road from between parked cars	6	229	Following too close	0	0
Directing traffic	0	7	Disregarded warning signal	0	0
Playing	2	20	Reckless driving	0	12
Lying or sitting on roadway	1	1	Improper backing	0	10
Pushing, working on vehicle	2	13	Failure to control	3	30
Getting on or off vehicle	0	16	Headlights not on	1	1
Maintenance/construction project	0	9	Driver physical condition	0	0
Walking, off roadway	0	22	Driver drinking	0	0
Unknown	0	119	Inattentive/distracted	3	33
Total	34	791	Confused/inexperienced	1	12
			Vision obscured	2	103
			Vehicle defect	0	0
			Vehicle overloaded/oversized	0	1
			Other	4	57

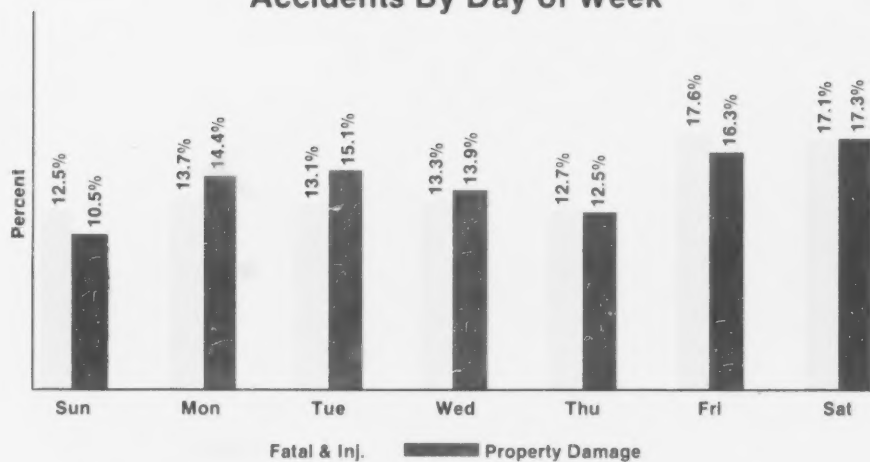
*0-2 actions/circumstances were listed for each driver

When Crashes Happen

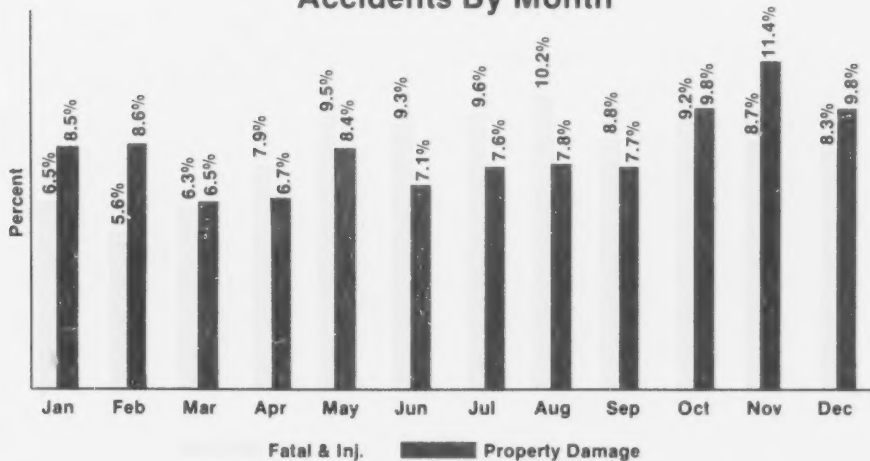
Accidents By Time of Day



Accidents By Day of Week



Accidents By Month



When Crashes Happen

1986 Crashes By Time of Day and Day of Week

Hour Beginning	Total Crashes	Fatal Crashes	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
			All	Fatal	All	Fatal	All	Fatal	All	Fatal	All	Fatal	All	Fatal	All	Fatal
Midnight- 2:59 AM	5,363	65	358	2	461	2	496	6	519	3	687	14	1,528	18	1,314	20
3:00 AM- 5:59 AM	2,376	30	250	4	260	1	255	1	255	6	297	3	549	9	510	6
6:00 AM- 8:59 AM	6,522	30	1,280	9	1,261	5	1,051	5	899	3	1,046	3	628	3	357	2
9:00 AM- 11:59 AM	7,822	29	1,244	7	1,220	3	1,055	2	941	3	1,187	3	1,481	7	694	4
Noon- 2:59 PM	9,558	55	1,392	8	1,399	3	1,433	4	1,218	10	1,490	17	1,588	7	1,038	6
3:00 PM- 5:59 PM	13,463	63	2,162	12	2,151	7	2,061	6	1,956	7	2,247	12	1,737	11	1,149	8
6:00 PM- 8:59 PM	8,189	55	1,144	6	1,122	6	1,084	11	1,061	7	1,464	11	1,401	6	913	8
9:00 PM- 11:59 PM	6,658	54	703	4	759	2	795	7	741	10	1,613	21	1,417	7	630	3
Unknown	1,732	7	219	0	312	2	223	1	175	0	269	0	310	1	224	3
Total	61,683	388	8,752	52	8,945	31	8,453	43	7,765	49	10,300	84	10,639	69	6,829	60

1986 Crashes By Month

	Fatal Crashes	Injury Crashes	Property Damage Crashes	Total Crashes
January	24	1,214	3,645	4,883
February	18	1,046	3,689	4,753
March	23	1,168	2,781	3,972
April	38	1,461	2,858	4,357
May	32	1,771	3,597	5,400
June	47	1,719	3,047	4,813
July	36	1,771	3,265	5,072
August	40	1,891	3,357	5,288
September	42	1,617	3,299	4,958
October	26	1,713	4,188	5,927
November	31	1,620	4,857	6,508
December	31	1,531	4,190	5,752
Total	388	18,522	42,733	61,683

When Fatalities Happened

Number of Statewide Fatalities by Date and Month

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1	0*	2	1	0	0	3	0	4	3*	0	0	2	15
2	0	2	0	1	2	2	1	1	0	1	0	0	10
3	1	0	0	0	2	0	1	1	0	2	0	1	8
4	3	0	1	7	3	1	0*	2	4	0	0	0	21
5	1	1	0	1	1	2	1*	1	3	0	1	1	13
6	1	2	2	0	1	6	1*	1	2	0	0	1	17
7	0	1	2	0	1	3	1	1	1	0	2	0	12
8	1	1	0	1	0	1	2	1	0	1	4	3	15
9	0	1	1	3	0	1	1	5	1	1	1	1	16
10	1	3	0	1	1	0	1	2	2	1	5	1	18
11	0	1	1	3	0	1	2	1	0	2	0	2	13
12	0	0	0	2	2	0	3	2	7	2	1	0	19
13	2	0	0	1	0	3	0	0	1	0	4	4	15
14	0	0	0	1	1	3	1	1	5	0	0	1	13
15	0	0	2	1	1	1	0	0	2	0	1	4	12
16	1	1	1	4	0	1	2	2	2	1	3	0	18
17	1	0	0	0	1	2	1	0	1	0	4	0	10
18	1	0	1	0	0	0	0	2	1	2	1	0	8
19	0	0	0	3	1	3	0	0	6	4	0	1	18
20	1	0	1	0	1	3	3	1	1	0	0	0	11
21	0	1	2	1	1	1	1	2	1	1	1	2	14
22	1	1	0	0	3	0	0	2	0	0	2	1	10
23	0	1	0	1	0	0	1	0	3	2	2	0	10
24	1	0	3	1	1*	0	0	0	2	1	0	1	10
25	1	0	0	3	3*	0	2	0	0	2	0	1*	12
26	2	0	0	1	3*	3	6	3	1	4	2	2*	27
27	1	1	0	2	0	5	6	0	0	0	0*	3*	18
28	0	5	3	1	2	1	0	2	0	2	0*	2*	18
29	2	--	2	3	2	2	0	3	1	0	0*	1	16
30	0	--	1	1	2	1	2	1*	1	2	3*	1	15
31	4	--	0	--	1	--	1	2*	--	1	--	0	9
Total	26	24	24	43	36	49	40	43	51	32	37	36	441

* Indicates a holiday.

By Month and Day of Week

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Total
January	3	5	0	4	1	8	5	26
February	6	3	1	1	3	7	3	24
March	2	3	3	0	3	7	6	24
April	3	3	5	10	2	13	7	43
May	6	7	2	5	6	4	6	36
June	7	5	2	2	8	17	8	49
July	11	2	2	7	4	4	10	40
August	5	4	7	2	6	10	9	43
September	7	6	7	5	4	17	5	51
October	10	0	3	1	7	5	6	32
November	9	10	1	4	4	2	7	37
December	5	11	2	3	3	4	8	36
Totals	74	59	35	44	51	98	80	441

When Holiday Fatalities Happened

1962-1986

Holiday Traffic Fatalities

Iowa, 1962-86

In 1986, for the holidays described in the table below, the average number of deaths per day was 2.0. The average number of deaths per day for weekends in 1986 was 1.8.

Note: Holiday periods include the number of full days shown in parentheses. Fatalities occurring from 6 p.m. to midnight on the previous day are also included. Regular weekend periods are from 6 p.m. Friday to midnight Sunday.

Beginning with 1981, the number of days included in a holiday period has been standardized as follows:

- 1 day if holiday falls on Wednesday
- 3 days if holiday falls on Friday through Monday
- 4 days if holiday falls on Tuesday or Thursday

Year	New Year's Day	Memorial Day	Fourth of July	Labor Day	Thanksgiving Day	Christmas Day
1962	3 (4)	2 (2)	-- (1)	5 (3)	No Record	11 (4)
1963	4 (1)	6 (4)	18 (4)	8 (3)	No Record	7 (1)
1964	3 (3)	4 (3)	7 (3)	15 (3)	No Record	13 (3)
1965	7 (3)	6 (3)	9 (3)	11 (3)	No Record	13 (3)
1966	6 (3)	11 (3)	7 (3)	27 (3)	No Record	6 (3)
1967	4 (3)	7 (4)	13 (4)	9 (3)	No Record	8 (3)
1968	1 (1)	11 (4)	16 (4)	18 (3)	10 (4)	5 (1)
1969	12 (4)	7 (3)	10 (3)	11 (3)	13 (4)	7 (4)
1970	8 (3)	8 (3)	10 (3)	13 (3)	12 (4)	7 (3)
1971	4 (3)	5 (3)	12 (3)	15 (3)	12 (4)	9 (3)
1972	5 (3)	9 (3)	3 (1)	6 (3)	14 (4)	12 (3)
1973	6 (4)	7 (3)	5 (1)	11 (3)	14 (4)	9 (4)
1974	6 (1)	4 (3)	8 (4)	16 (3)	13 (4)	4 (1)
1975	5 (4)	6 (3)	7 (3)	8 (3)	3 (4)	5 (4)
1976	9 (3)	6 (3)	16 (3)	10 (3)	9 (4)	5 (3)
1977	1 (3)	11 (3)	16 (3)	6 (3)	7 (4)	5 (3)
1978 ^{1 2}	1/0 (3)	13/6 (3)	8/5 (4)	5/1 (3)	12/5 (4)	3/2 (4)
1979	3/3 (3)	9/5 (3)	8/4 (1)	11/8 (3)	10/6 (4)	11/6 (4)
1980	13/7 (4)	5/2 (3)	9/7 (3)	11/6 (3)	13/9 (4)	1/1 (4)
1981	8/4 (4)	8/3 (3)	6/2 (3)	7/4 (3)	7/2 (4)	6/1 (3)
1982	4/3 (3)	3/2 (3)	5/3 (3)	9/6 (3)	8/3 (4)	10/2 (3)
1983	17/11 (3)	10/9 (3)	9/8 (3)	6/2 (3)	3/1 (4)	2/0 (3)
1984	3/3 (3)	4/0 (3)	3/2 (1)	7/7 (3)	4/0 (4)	6/2 (4)
1985	4/2 (4)	5/2 (3)	7/6 (4)	13/12 (3)	11/1 (4)	0/0 (1)
1986	0/0 (1)	4/4 (3)	3/2 (3)	8/5 (3)	4/3 (4)	8/5 (4)

¹ Beginning with 1978, the number of alcohol-related traffic fatalities for a given holiday is included, in addition to the total number of holiday fatalities. The number of all fatalities is on the left of the slash mark; the number of alcohol-related fatalities is on the right. As for previous years, the number of days included in the holiday is in parentheses.

² In some cases, holiday fatality figures for 1978 through 1982 have been revised.

Counties

Fatalities by County 1984-1986



Numbers represent fatalities, in order, for each year from 1984 through 1986.

Where Crashes Happened

Counties

County	Registrations*	Licensed Drivers	All Acc.	Acc. Rate**	Fatal Acc.	Persons Killed	Injury Acc.	Persons Injured
Adair	9,586	6,144	185	193	2	2	65	99
Adams	6,004	3,805	100	167	0	0	30	44
Allamakee	14,652	9,786	282	193	5	5	88	131
Appanoose	14,875	9,971	278	187	1	2	87	139
Audubon	8,266	5,512	125	151	0	0	36	50
Benton	23,061	15,398	347	151	1	1	119	175
Black Hawk	117,300	87,554	2,529	216	7	7	817	1,165
Boone	25,761	17,004	441	171	2	3	147	205
Bremer	23,019	16,376	417	181	3	4	98	129
Buchanan	20,446	13,969	336	164	1	1	96	142
Buena Vista	20,496	14,196	375	183	1	1	116	164
Butler	17,417	11,685	214	123	3	3	51	79
Calhoun	12,805	8,704	142	111	3	3	44	71
Carroll	22,092	15,255	455	206	2	2	131	212
Cass	18,188	11,558	361	199	3	3	92	124
Cedar	18,159	11,705	337	186	6	6	107	149
Cerro Gordo	46,464	33,513	1,194	257	5	5	351	481
Cherokee	16,049	10,733	279	174	0	0	86	131
Chickasaw	14,955	10,054	260	174	2	2	60	87
Clarke	8,816	5,770	213	242	4	6	70	119
Clay	18,427	12,970	376	204	4	7	124	169
Clayton	20,066	13,586	433	216	6	7	111	182
Clinton	52,840	37,251	1,375	260	4	4	351	492
Crawford	19,237	12,450	366	190	4	5	113	167
Dallas	30,118	20,635	511	170	7	7	162	254
Davis	9,467	5,676	146	154	2	2	43	70
Decatur	8,497	5,674	159	187	1	1	35	54
Delaware	17,546	12,279	285	162	4	4	69	99
Des Moines	45,815	30,924	883	193	3	3	274	391
Dickinson	15,669	11,069	387	247	0	0	120	178
Dubuque	80,174	60,140	2,199	274	14	15	697	973
Emmet	12,852	8,665	213	166	3	4	69	95
Fayette	22,578	16,137	350	155	0	0	97	148

* County and total motor vehicle registration figures exclude trailers, travel trailers, mobile homes, official vehicles, trucks licensed to operate in more than one state, and vehicles registered to non-Iowa residents not registered to a specific county.

** Per 10,000 registered vehicles.

Where Crashes Happened

Counties

County	Registrations*	Licensed Drivers	All Acc.	Acc. Rate**	Fatal Acc.	Persons Killed	Injury Acc.	Persons Injured
Floyd	19,096	12,631	304	159	2	2	80	129
Franklin	12,853	8,496	238	185	2	2	57	108
Fremont	9,662	5,974	214	222	4	4	65	83
Greene	12,308	7,894	209	170	1	1	50	84
Grundy	13,718	9,000	168	123	2	2	52	80
Guthrie	11,825	7,777	188	159	0	0	52	76
Hamilton	18,091	11,881	427	236	4	4	129	202
Hancock	13,815	9,091	146	106	3	3	42	59
Hardin	21,635	14,543	318	147	3	3	97	159
Harrison	17,672	10,765	391	221	4	4	127	170
Henry	19,279	12,948	353	183	6	6	115	163
Howard	10,671	7,086	144	135	5	5	23	46
Humboldt	12,716	8,314	182	143	1	3	49	65
Ida	9,371	6,147	140	149	0	0	40	68
Iowa	15,951	10,194	331	208	4	4	95	135
Jackson	20,944	14,107	298	142	7	7	84	145
Jasper	36,609	24,233	600	164	4	6	204	287
Jefferson	17,698	11,888	390	220	1	2	114	170
Johnson	68,154	59,015	2,053	301	5	6	569	793
Jones	19,184	12,719	354	185	3	4	98	155
Keokuk	13,346	8,537	150	112	2	2	52	83
Kossuth	21,440	14,287	275	128	3	4	87	131
Lee	40,875	27,826	914	224	8	11	275	373
Linn	160,204	119,230	3,455	216	14	16	995	1,360
Louisa	12,208	7,181	203	166	2	2	77	110
Lucas	10,107	6,714	222	220	1	2	71	101
Lyon	13,164	8,556	201	153	2	2	46	67
Madison	12,769	8,382	216	169	4	4	83	127
Mahaska	22,540	14,619	416	185	3	3	114	147
Marion	28,938	19,540	558	193	3	4	178	252
Marshall	40,089	28,228	942	235	6	9	286	393
Mills	13,703	8,677	314	229	4	5	85	128
Mitchell	12,133	8,085	160	132	2	2	53	83

* County and total motor vehicle registration figures exclude trailers, travel trailers, mobile homes, official vehicles, trucks licensed to operate in more than one state, and vehicles registered to non-Iowa residents not registered to a specific county.

** Per 10,000 registered vehicles.

Where Crashes Happened

Counties

County	Registrations*	Licensed Drivers	All Acc.	Acc. Rate**	Fatal Acc.	Persons Killed	Injury Acc.	Persons Injured
Monona	11,547	7,568	193	167	6	6	60	98
Monroe	8,786	5,636	167	190	1	1	59	87
Montgomery	13,112	8,849	293	224	2	2	66	99
Muscatine	41,183	27,832	764	186	7	7	250	358
O'Brien	17,060	11,316	296	174	1	1	74	90
Osceola	8,192	5,418	98	120	0	0	22	33
Page	17,756	12,180	288	162	2	3	70	96
Palo Alto	11,413	7,997	157	138	0	0	50	68
Plymouth	25,411	15,994	447	176	4	4	161	234
Pocahontas	11,143	7,418	123	110	5	6	36	56
Polk	316,948	219,922	10,787	340	30	34	3,157	4,608
Pottawattamie	99,561	59,582	2,575	259	23	25	873	1,223
Poweshiek	19,334	13,164	397	199	6	6	131	181
Ringgold	6,294	4,030	106	168	0	0	17	24
Sac	13,474	9,023	193	143	2	2	60	99
Scott	148,068	110,286	3,658	247	16	17	1,194	1,658
Shelby	14,871	10,069	203	137	0	0	59	85
Sioux	28,084	19,553	356	127	5	7	116	175
Story	55,226	47,160	1,474	267	6	7	382	538
Tama	19,511	12,521	260	133	6	9	79	108
Taylor	8,408	5,386	128	152	1	3	20	24
Union	13,713	9,157	277	202	2	2	73	107
Van Buren	8,839	5,435	118	134	0	0	45	54
Wapello	36,783	25,703	678	184	5	6	231	338
Warren	34,690	24,117	596	172	6	6	193	290
Washington	20,270	13,290	366	181	6	7	107	190
Wayne	8,033	5,136	102	127	1	1	33	57
Webster	41,367	29,030	1,116	270	7	8	316	429
Winnebago	13,733	8,744	160	117	1	1	44	65
Winneshiek	20,271	13,560	480	237	4	4	117	214
Woodbury	91,718	66,499	2,401	262	9	10	828	1,139
Worth	9,305	5,897	123	132	2	2	42	65
Wright	15,520	10,910	276	178	4	5	57	79
Total	2,804,689	1,949,108	61,683	220	388	441	18,522	26,669

* County and total motor vehicle registration figures exclude trailers, travel trailers, mobile homes, official vehicles, trucks licensed to operate in more than one state, and vehicles registered to non-Iowa residents not registered to a specific county.

** Per 10,000 registered vehicles.

Where Crashes Happened

Counties: Accidents by Road System

	Interstate/ Freeway			U.S. or State Highway			County Road			City Street			Other/Unknown		
	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.
Adair	1	9	31	0	20	22	1	29	35	0	6	24	0	1	6
Adams	0	0	0	0	9	22	0	15	29	0	6	18	0	0	1
Allamakee	0	0	0	4	30	81	1	49	72	0	9	34	0	0	2
Appanoose	0	0	0	0	38	93	1	25	47	0	22	48	0	2	2
Audubon	0	0	0	0	11	37	0	17	32	0	8	20	0	0	0
Benton	0	4	10	0	32	83	1	66	67	0	17	65	0	0	2
Black Hawk	0	7	27	3	301	528	1	46	94	3	460	1,036	0	3	20
Boone	0	0	0	1	31	65	1	45	73	0	67	151	0	4	3
Bremer	0	0	0	2	48	151	1	34	53	0	16	111	0	0	1
Buchanan	0	4	6	0	27	80	1	35	71	0	30	81	0	0	1
Buena Vista	0	0	0	1	47	112	0	40	42	0	29	104	0	0	0
Butler	0	0	0	0	18	63	3	21	57	0	12	40	0	0	0
Calhoun	0	0	0	3	16	26	0	19	30	0	9	39	0	0	0
Carroll	0	0	0	0	69	125	2	24	63	0	36	131	0	2	3
Cass	0	16	25	1	28	127	0	22	43	2	25	63	0	1	8
Cedar	2	29	64	0	20	51	4	39	62	0	18	43	0	1	4
Cerro Gordo	0	8	20	2	175	363	1	30	82	2	133	369	0	5	4
Cherokee	0	0	0	0	35	88	0	26	57	0	24	48	0	1	0
Chickasaw	0	0	0	1	31	95	0	21	45	1	8	57	0	0	1
Clarke	0	11	15	4	31	66	0	18	26	0	10	31	0	0	1
Clay	0	0	0	2	61	98	1	26	46	1	36	102	0	1	2
Clayton	0	0	0	2	43	126	3	55	129	1	13	60	0	0	1
Clinton	0	0	0	0	149	399	2	61	69	2	139	532	0	2	20
Crawford	0	0	0	1	54	105	2	26	31	1	32	112	0	1	1
Dallas	0	16	47	3	59	123	4	51	67	0	35	101	0	1	4
Davis	0	0	0	1	15	41	1	23	42	0	5	18	0	0	0
Decatur	0	8	27	0	17	50	1	9	28	0	1	18	0	0	0
Delaware	0	0	0	2	24	66	1	30	99	1	14	46	0	1	1
Des Moines	0	0	0	1	94	211	0	41	55	2	136	334	0	3	6
Dickinson	0	0	0	0	66	141	0	38	60	0	16	63	0	0	3
Dubuque	0	0	0	8	285	574	5	85	111	1	321	796	0	6	7
Emmet	0	0	0	0	27	64	0	25	33	0	17	46	0	0	1
Fayette	0	0	0	0	36	108	1	47	67	2	13	72	0	1	3
Floyd	0	0	0	2	30	84	0	30	53	0	20	85	0	0	0
Franklin	0	4	30	0	27	78	2	18	45	0	8	26	0	0	0
Fremont	0	9	17	1	24	51	3	25	60	0	7	16	0	0	1
Greene	0	0	0	1	19	43	0	14	47	0	16	68	0	1	0
Grundy	0	0	0	2	25	54	0	20	38	0	7	21	0	0	1
Guthrie	0	0	0	0	31	57	0	16	47	0	5	31	0	0	1
Hamilton	1	23	29	1	29	61	2	28	65	0	47	136	0	2	3
Hancock	0	0	0	2	8	38	1	20	27	0	13	35	0	1	1
Hardin	0	0	0	0	33	101	1	38	45	2	24	69	0	2	3
Harrison	0	14	20	3	59	107	0	39	57	1	15	71	0	0	5
Henry	0	0	0	2	52	110	4	50	66	0	13	56	0	0	0
Howard	0	0	0	4	5	40	1	11	41	0	7	35	0	0	0
Humboldt	0	0	0	0	15	61	1	15	24	0	18	46	0	1	1
Ida	0	0	0	0	20	34	0	16	29	0	4	36	0	0	1
Iowa	0	24	57	1	32	61	3	34	61	0	5	52	0	0	1
Jackson	0	0	0	6	40	76	1	24	50	0	19	80	0	1	1
Jasper	0	34	78	1	60	122	3	44	60	0	66	124	0	0	8

SUMMARY

Counties: Acc. by Road System

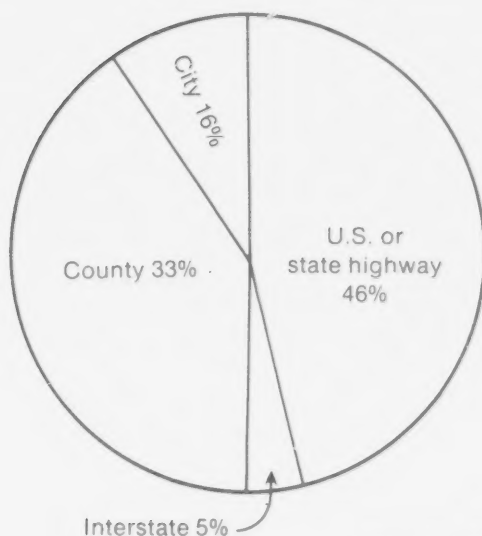
	Interstate/ Freeway			U.S. or State Highway			County Road			City Street			Other/Unknown		
	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.
Jefferson	0	0	0	1	42	117	0	37	47	0	35	108	0	0	3
Johnson	2	54	147	2	208	468	1	95	134	0	210	719	0	2	11
Jones	0	0	0	3	35	98	0	41	78	0	19	74	0	3	3
Keokuk	0	0	0	2	33	56	0	13	23	0	6	17	0	0	0
Kossuth	0	0	0	1	28	57	2	37	51	0	22	76	0	0	1
Lee	0	0	0	5	156	309	3	39	87	0	70	222	0	10	13
Linn	1	70	147	4	287	662	1	93	140	8	535	1,475	0	10	22
Louisa	0	0	0	1	35	62	1	35	35	0	7	25	0	0	2
Lucas	0	0	0	0	30	52	1	15	22	0	25	71	0	1	5
Lyon	0	0	0	1	16	47	1	25	66	0	5	39	0	0	1
Madison	0	2	3	3	14	27	1	40	46	0	25	53	0	2	0
Mahaska	0	0	0	3	51	136	0	24	54	0	38	109	0	1	0
Marion	0	0	0	2	90	161	1	45	80	0	41	128	0	2	8
Marshall	0	0	0	3	99	247	3	63	75	0	117	317	0	7	11
Mills	1	6	20	3	33	100	0	34	46	0	12	57	0	0	2
Mitchell	0	0	0	1	23	40	1	22	31	0	7	34	0	1	0
Monona	1	6	15	1	26	47	4	19	36	0	9	28	0	0	1
Monroe	0	0	0	1	30	56	0	21	31	0	6	20	0	0	0
Montgomery	0	0	0	1	19	118	1	16	40	0	28	65	0	3	2
Muscatine	0	0	0	4	105	215	3	40	63	0	99	223	0	6	6
O'Brien	0	0	0	0	16	74	1	26	52	0	29	93	0	3	2
Osceola	0	0	0	0	8	28	0	11	31	0	3	16	0	0	1
Page	0	0	0	1	25	71	1	14	37	0	31	107	0	0	1
Palo Alto	0	0	0	0	20	42	0	25	30	0	5	35	0	0	0
Plymouth	0	0	0	2	75	118	2	51	80	0	35	81	0	0	3
Pocahontas	0	0	0	1	15	22	4	14	36	0	5	22	0	2	2
Polk	2	319	775	11	869	1,792	8	141	190	9	1,818	4,781	0	10	62
Pottawattamie	6	109	220	11	288	552	3	64	107	3	406	781	0	6	19
Poweshiek	1	28	45	3	42	96	2	38	34	0	22	81	0	1	4
Ringgold	0	0	0	0	7	40	0	10	34	0	0	15	0	0	0
Sac	0	0	0	1	23	45	1	21	32	0	16	51	0	0	3
Scott	1	76	176	6	334	760	2	50	87	7	721	1,393	0	13	32
Shelby	0	0	0	0	21	55	0	21	25	0	17	64	0	0	0
Sioux	0	0	0	3	54	88	2	41	41	0	21	105	0	0	1
Story	1	21	37	1	90	273	3	75	91	1	193	676	0	3	9
Tama	0	0	0	3	26	77	1	41	55	2	12	43	0	0	0
Taylor	0	0	0	1	7	45	0	8	35	0	5	26	0	0	1
Union	0	0	0	1	23	58	0	19	31	1	29	110	0	2	3
Van Buren	0	0	0	0	14	22	0	27	35	0	3	14	0	1	2
Wapello	0	0	0	2	74	135	1	51	65	2	103	231	0	3	11
Warren	0	18	47	5	83	158	0	66	86	1	25	100	0	1	6
Washington	0	0	0	4	61	127	2	32	55	0	14	69	0	0	2
Wayne	0	0	0	1	14	30	0	16	23	0	3	15	0	0	0
Webster	0	0	0	3	75	243	4	75	113	0	166	428	0	0	9
Winnebago	0	0	0	1	11	38	0	20	30	0	13	47	0	0	0
Winneshiek	0	0	0	1	37	105	3	40	131	0	38	117	0	2	6
Woodbury	0	57	96	2	132	253	2	40	75	5	598	1,123	0	1	17
Worth	0	8	18	0	15	30	1	19	18	1	0	13	0	0	0
Wright	0	2	10	3	20	78	1	16	50	0	19	73	0	0	4
Total	20	996	2,259	177	6,295	14,092	129	3,406	5,626	62	7,685	20,370	0	140	426

Where Crashes Happened

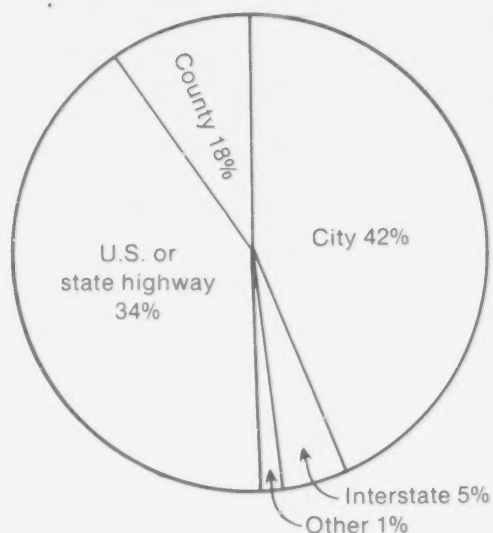
By Road System

	Fatal	Injury	Property Damage	Total
Interstate	20	996	2,259	3,275
U.S. or State Highway	177	6,295	14,092	20,564
County	129	3,406	5,626	9,161
City	62	7,685	20,370	28,117
Other	0	140	426	566
Total	388	18,522	42,773	61,683

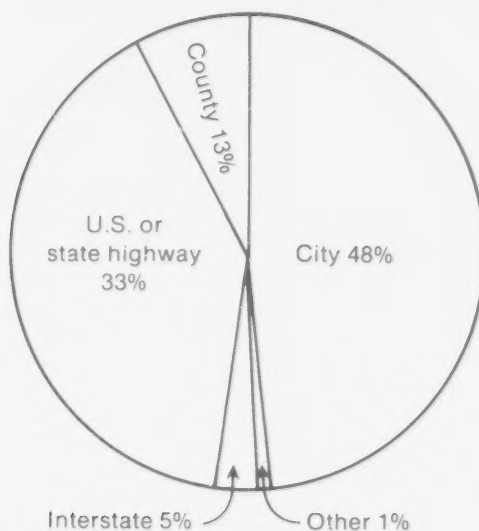
Fatal Accidents



Injury Accidents



Property Damage Accidents



Where Crashes Happened

Cities

City	Population*	Number of Accidents		Persons Killed		Persons Injured		Acc. Rate**	
		1985	1986	1985	1986	1985	1986	1985	1986
1. Des Moines	191,003	8,298	7,802	11	15	3,185	3,057	434.4	408.5
2. Cedar Rapids	110,243	2,659	2,575	8	12	973	936	241.2	233.6
3. Davenport	103,264	2,941	2,664	8	8	1,168	1,199	284.8	258.0
4. Sioux City	82,003	2,122	2,112	10	6	1,021	1,030	258.8	257.6
5. Waterloo	75,985	1,532	1,492	3	5	723	705	201.6	196.4
6. Dubuque	62,321	1,670	1,624	3	2	682	640	268.0	260.6
7. Council Bluffs	56,449	1,990	1,978	8	9	854	971	352.5	350.4
8. Iowa City	50,508	1,287	1,143	2	1	381	345	254.8	226.3
9. Ames	45,775	1,018	990	4	1	266	299	222.4	216.3
10. Cedar Falls	36,322	751	664	1	1	284	287	206.8	182.8
11. Clinton	32,828	973	939	1	0	249	296	296.4	286.0
12. Mason City	30,144	944	774	3	2	372	313	313.2	256.8
13. Burlington	29,529	678	580	2	2	268	237	229.6	196.4
14. Fort Dodge	29,423	836	772	0	1	273	275	284.1	262.4
15. Bettendorf	27,381	553	520	1	1	262	257	202.0	189.9
16. Ottumwa	27,381	488	445	1	2	223	202	178.2	162.5
17. Marshalltown	26,938	651	626	0	0	256	219	241.7	232.4
18. Muscatine	23,467	525	436	8	2	267	193	223.7	185.8
19. West Des Moines	21,894	598	576	0	1	260	226	273.1	263.1
20. Marion	19,474	308	295	2	0	132	124	158.2	151.5
21. Urbandale	17,869	416	336	0	1	218	141	232.8	188.0
22. Ankeny	15,429	271	309	1	0	131	193	175.6	200.3
23. Newton	15,292	264	228	1	0	134	109	172.6	149.1
24. Keokuk	13,536	269	253	1	2	93	114	198.7	186.9
25. Fort Madison	13,520	347	330	1	1	138	115	256.7	244.1
26. Boone	12,602	248	214	0	2	93	90	196.8	169.8
27. Spencer	11,726	276	241	0	2	115	103	235.4	205.5
28. Oskaloosa	10,989	282	237	0	1	87	77	256.6	215.7
29. Indianola	10,843	169	193	0	0	65	57	155.9	178.0
30. Carroll	9,705	255	242	0	0	76	99	262.8	249.4
31. Fairfield	9,428	243	253	1	0	99	86	257.7	268.3
32. Grinnell	8,868	163	146	0	2	37	51	183.8	164.6
33. Storm Lake	8,814	241	186	0	0	94	66	273.4	211.0
34. Charles City	8,778	152	139	1	0	52	49	173.2	158.4

* List includes all Iowa cities with a population of 5,000 or more, based on 1980 census figures (including revisions made through January 1983). Figures provided by Office of the State Demographer, Department of Economic Development, Des Moines.

** Per 10,000 population

Where Crashes Happened

Cities

City	Population*	Number of Accidents		Persons Killed		Persons Injured		Acc. Rate**	
		1985	1986	1985	1986	1985	1986	1985	1986
35. Webster City	8,572	182	173	0	0	68	58	212.3	201.8
36. Waverly	8,444	168	177	0	0	49	36	199.0	209.6
37. Creston	8,429	196	184	0	1	41	55	232.5	218.3
38. Pella	8,349	152	173	0	0	48	51	182.1	207.2
39. Le Mars	8,276	205	164	2	0	104	75	182.1	198.2
40. Knoxville	8,143	116	119	0	0	48	50	142.5	146.1
41. Decorah	8,068	143	183	2	0	47	62	177.2	226.8
42. Atlantic	7,789	130	152	0	2	45	42	166.9	195.1
43. Coralville	7,687	292	289	3	1	116	134	379.9	376.0
44. Oelwein	7,564	123	95	0	1	48	42	162.6	125.6
45. Estherville	7,518	140	113	1	0	53	50	186.2	150.3
46. Clear Lake	7,458	156	165	1	0	67	60	209.2	221.2
47. Mount Pleasant	7,322	139	131	0	0	44	56	189.8	178.9
48. Perry	7,053	141	124	0	1	68	62	199.9	175.8
49. Cherokee	7,004	130	111	0	0	44	55	185.6	158.5
50. Red Oak	6,810	161	117	0	0	54	44	236.4	171.8
51. Denison	6,675	200	187	1	0	74	76	299.6	280.1
52. Washington	6,584	116	99	0	0	29	34	176.2	150.4
53. Centerville	6,558	117	112	0	0	47	57	178.4	170.8
54. Independence	6,392	137	108	0	0	53	43	214.3	169.0
55. Maquoketa	6,313	106	103	0	0	41	36	167.9	163.2
56. Algona	6,289	135	104	0	1	59	37	214.7	165.4
57. Shenandoah	6,274	101	79	0	0	22	25	161.0	125.9
58. Iowa Falls	6,174	136	102	0	1	49	41	220.3	165.2
59. Clive	6,064	211	262	1	0	128	120	348.0	432.1
60. Nevada	5,912	99	76	0	0	30	24	167.5	128.6
61. Altoona	5,764	86	78	0	0	24	23	149.2	135.3
62. Windsor Heights	5,474	141	126	0	0	54	60	257.6	230.2
63. Clarinda	5,458	86	75	0	0	35	20	157.6	137.4
64. Harlan	5,357	73	81	0	0	18	27	136.3	151.2
65. Glenwood	5,280	84	79	0	0	30	28	159.1	149.6
66. Vinton	5,040	48	55	0	0	18	15	95.2	109.1
67. Sheldon	5,003	112	134	0	0	31	39	223.9	267.8
68. Chariton	5,116	114	111	0	0	45	43	222.8	217.0

* List includes all Iowa cities with a population of 5,000 or more, based on 1980 census figures (including revisions made through January 1983). Figures provided by Office of the State Demographer, Department of Economic Development, Des Moines.

** Per 10,000 population.

Alcohol-Related Drinking/Driving

Age of Drinking Drivers Involved in Accidents

During 1986, 45.9 percent of the fatal accidents and 45.6 percent of the fatalities were alcohol-related. Alcohol involvement is more apt to occur, and more likely to be reported, in fatal accidents than in non-fatal accidents.

In Iowa during 1986, drivers involved in fatal accidents were not required by law to submit to an alcohol test. Testing for alcohol in both fatal and all accidents was based on "probable cause," as determined by the investigating officer. Care should be used in comparing the yearly percentages of alcohol-related fatal accidents due to fluctuations in the number of reports received.

Iowa alcohol-related accident figures should not be compared to states where an alcohol test is mandatory.

Driver Age	All Accidents		Fatal Accidents				Injury Accidents		Property Damage Accidents	
	No. of Drivers	%	No. of Drivers	%	Persons* Killed	%	No. of Drivers	%	No. of Drivers	%
15 & younger	13	0.3	0	--	0	--	6	0.3	7	0.3
16	132	3.0	2	1.1	3	1.5	74	3.2	56	2.8
17	175	3.9	11	6.3	12	5.9	93	4.1	71	3.5
18	240	5.4	15	8.5	16	7.9	119	5.2	106	5.3
19	348	7.8	12	6.8	18	8.9	206	9.0	130	6.5
20	328	7.4	13	7.4	14	6.9	178	7.8	137	6.8
21	262	5.9	4	2.3	7	3.5	129	5.7	129	6.4
22	271	6.1	11	6.3	13	6.4	139	6.1	121	6.0
23	243	5.4	14	8.0	16	7.9	126	5.5	103	5.1
24	198	4.4	9	5.1	10	5.0	102	4.5	87	4.3
25-34	1,325	29.7	51	29.0	57	28.2	654	28.7	620	30.9
35-44	470	10.5	10	5.7	10	5.0	261	11.4	199	9.9
45-54	192	4.3	10	5.7	10	5.0	85	3.7	97	4.8
55-64	133	3.0	6	3.4	5	2.5	64	2.8	63	3.1
65-74	55	1.2	5	2.8	6	3.0	21	0.9	29	1.4
75 & older	27	0.6	2	1.1	2	1.0	11	0.5	14	0.7
Not stated	50	1.1	1	0.6	3	1.5	13	0.6	36	1.8
Total no. of drivers	4,462		176		202		2,281		2,005	

* Figure includes all persons killed in accidents involving a drinking driver of the given age.

NOTE: The figures do not add up to the total of 201 persons killed in alcohol-related accidents in 1986. For instance, a person killed in an accident involving both a 17-year-old drinking driver and a 21-year-old drinking driver would be included in both age categories. A person killed in an accident involving two 19-year-old drinking drivers, however, would be listed only once.

Iowa Accidents Involving

Alcohol

In 1986 there were:

- 201 persons killed in alcohol-related accidents, or 45.6 percent of all traffic fatalities
- 3,564 persons injured in alcohol-related accidents
- 4,395 accidents involving alcohol and motor vehicles
- 178 fatal accidents involving alcohol and motor vehicles, or 45.9 percent of all fatal accidents
- 2,263 personal injury accidents involving alcohol and motor vehicles
- 1,954 property damage accidents involving alcohol and motor vehicles

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers/ Operators	Percent
Drinking driver/operator actions:		
Ran traffic control	303	6.8
Improper passing	49	1.1
Left of center, not passing	198	4.4
Failure to yield	180	4.0
Wrong way, one-way road	23	0.5
Speed too fast	687	15.4
Drag racing	8	0.2
Improper turn	49	1.1
Improper lane change	39	0.9
Following too close	85	1.9
Improper or no signal	7	0.2
Disregarded R.R. signal	7	0.2
Disregarded warning signal	20	0.4
Reckless driving	224	5.0
Improper backing	35	0.8
Illegal or improper parking	16	0.4
Failure to have control	2,208	49.5
Lights not on	21	0.5
Inattentive/distracted	290	6.5
Confused/inexperienced	105	2.4
Vision Obscured	123	2.8
Oversized vehicle	1	*
Other	483	10.8

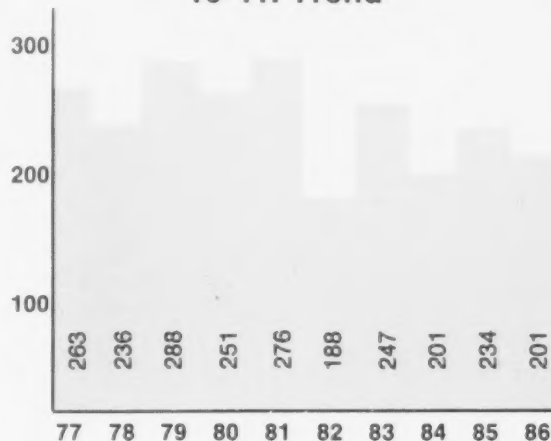
Drinking pedestrian actions:	Pedestrians	Percent
Crossing against signal	2	2.9
Crossing, not at crosswalk	17	24.3
Walking, Improper position on roadway	13	18.6
Walking with traffic	3	4.3
Walking against traffic	5	7.1
Crossing with signal or in crosswalk	3	4.3
Ran onto roadway or into road from between parked cars	13	18.6
Playing	1	1.4
Pushing, working on vehicle	2	2.9
Lying or sitting on roadway	2	2.9
Getting on or off vehicle	3	4.3
Walking, off roadway	1	1.4
Unknown/other	5	7.1

Condition	Number of Drivers/ Operators	(%)	Number of Pedestrians	(%)
Apparently normal	--	--	--	--
Drinking - impaired	2,941	66.3	46	65.7
Drinking - not impaired	1,480	33.4	24	34.3
Drugs	--	--	--	--
Physical defect	2	*	--	--
Fatigued	2	*	--	--
Apparently asleep	9	0.2	--	--
Ill	--	--	--	--
Under medication	1	*	--	--
Infirmities of age	2	*	--	--
Other	--	--	--	--
Total no. of drivers (condition stated)	4,437	99.9	70	100.0
Condition not stated	25			
GRAND TOTAL	4,462		70	

Note: Some of the drinking drivers were not listed as 'condition - drinking,' but did have a blood alcohol content greater than 0. This may occur because the report form provides space to list only one condition, although more than one condition may have been applicable to the driver at the time. If the driver fell asleep at the wheel and possessed a BAC above 0, for instance, the officer may have listed the condition as 'apparently asleep.'

Sex	Number of Drivers/ Operators	(%)	Number of Pedestrians	(%)
Male	3,898	88.1	53	75.7
Female	528	11.9	17	24.3
Total no. of drivers (sex known)	4,426		70	
Sex not stated	36			
GRAND TOTAL	4,462		70	

Alcohol-Related Fatalities 10-Yr. Trend

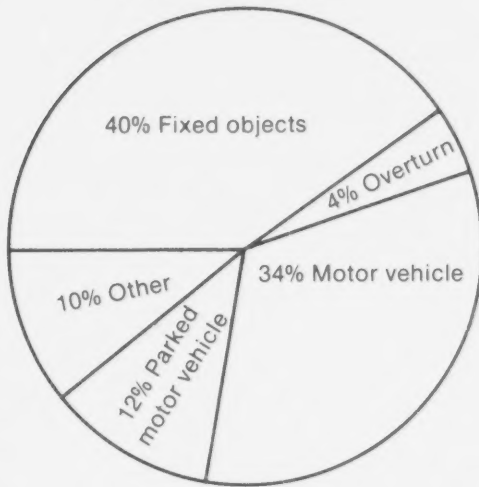


Note: In 1986 alcohol-related accidents, 68.2 percent of the motor vehicle occupants who were killed or injured were not wearing safety belts, 11.2 percent were wearing safety belts, and safety belt use was unknown or unreported for 20.6 percent of those killed or injured.

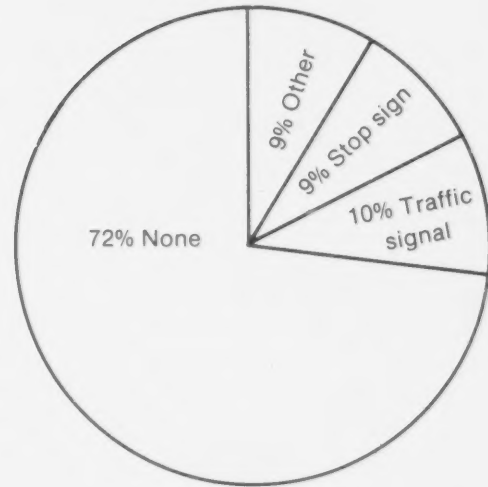
Note: From 0-2 action/circumstances are listed for each drinking driver, operator or pedestrian involved in an accident.

Alcohol-Related Crashes

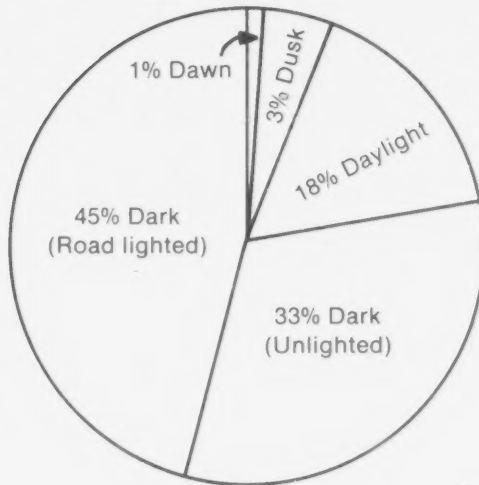
Accident Type



Traffic Controls



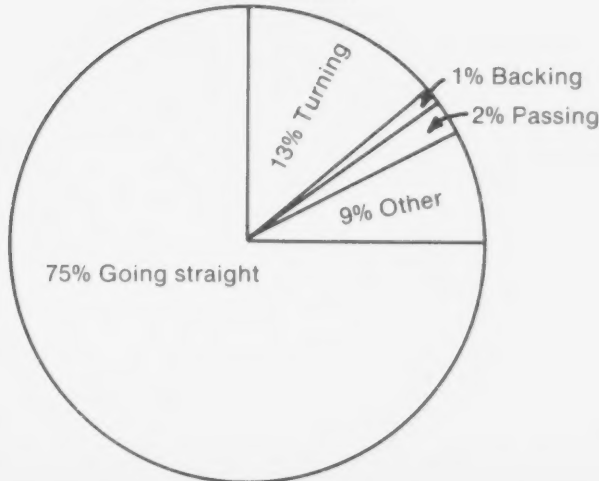
Light Condition



Fixed Objects



Vehicle Action



Weather	Number of Accidents	Percent
Clear	2,570	58.5
Cloudy	1,381	31.4
Fog	109	2.5
Mist	191	4.3
Rain	336	7.6
Sleet/hail	11	0.2
Snow	45	1.0
Strong wind	27	0.6
Other	10	0.2

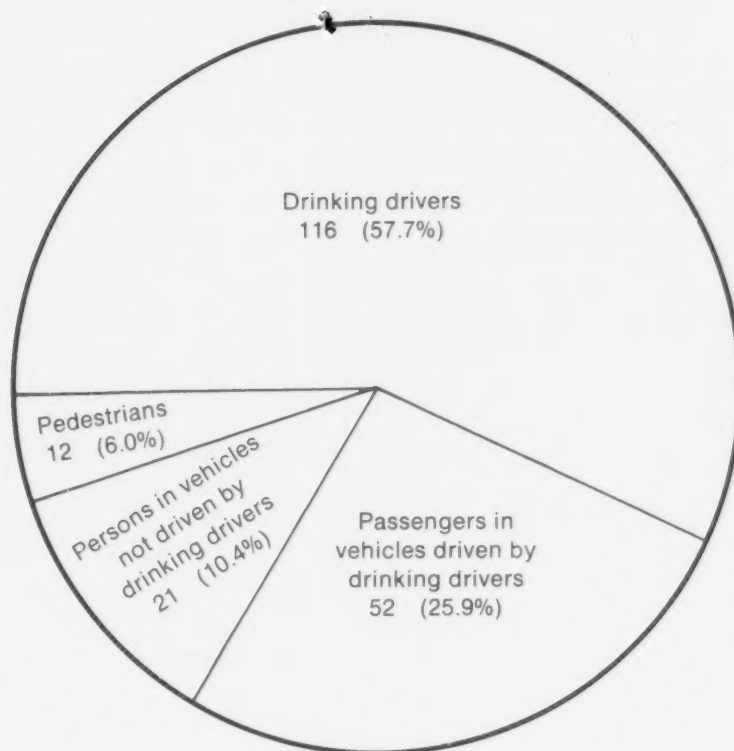
Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Alcohol-Related Crashes

Fatalities

**Persons Killed in Motor Vehicle Traffic Accidents
Involving Alcohol
Total Killed: 201**



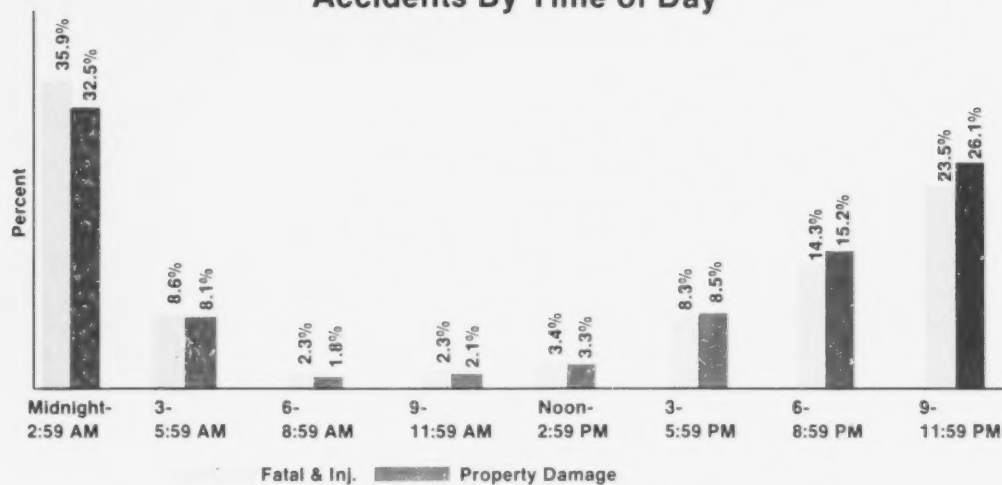
1986 Alcohol Involvement in Fatal Crashes

Vehicle Type	Total Drivers/ Pedestrians	Total Tested	Total Drinking (less than .10)	Total Drunk (.10 or more)	Tested Result .000	Tested Result Unknown
Driver	525	254	29	111	108	6
Motorcycle Driver	51	40	6	22	12	--
Pedestrian	34	12	2	8	2	--
All-Terrain Vehicle Driver	3	2	0	1	1	--
Total	613	308	37	142	123	6

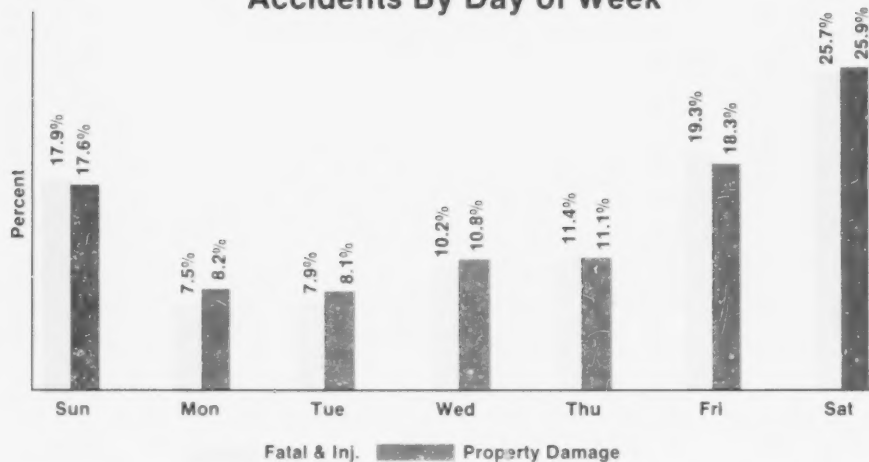
Alcohol Related Crashes

29

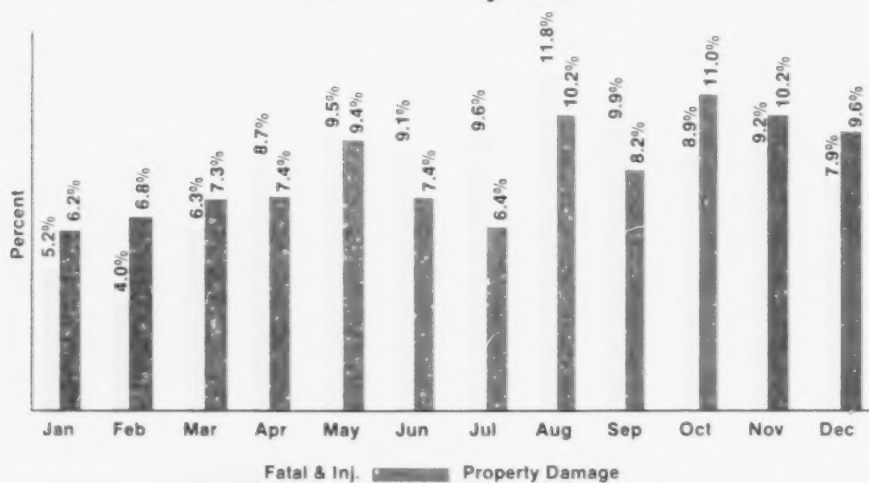
Accidents By Time of Day



Accidents By Day of Week



Accidents By Month



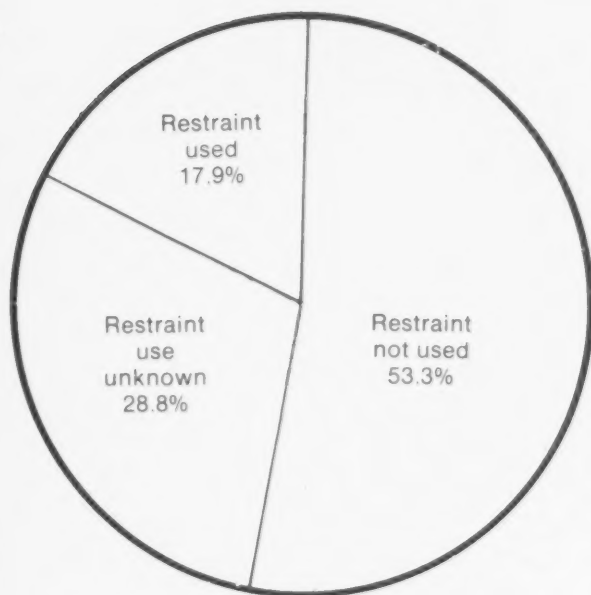
Safety Belt Usage

Severity*	Restraint Usage	Driver		Front Seat Passengers		Back Seat Passengers		Position Unknown		Totals	
		Number	%	Number	%	Number	%	Number	%	Number	%
Killed	Used	30	13.8	12	14.0	3	10.0	0	--	45	13.3
	Not Used	156	71.9	67	77.9	23	76.7	4	66.7	250	73.7
	Unknown	31	14.3	7	8.1	4	13.3	2	33.3	44	13.0
Major Injury	Used	240	15.2	94	14.8	21	10.4	1	0.5	356	13.6
	Not Used	996	63.3	448	70.7	162	80.2	42	20.6	1,648	63.0
	Unknown	338	21.5	92	14.5	19	9.4	161	78.9	610	23.3
Minor/ Possible Injury	Used	2,410	22.1	942	20.1	284	19.1	40	1.4	3,676	18.5
	Not Used	6,093	55.7	2,916	62.4	973	65.3	340	12.3	10,322	52.0
	Unknown	2,426	22.2	818	17.5	232	15.6	2,389	86.3	5,865	29.5
Total**	Used	2,680	21.1	1,048	19.4	308	17.9	41	1.4	4,077	17.9
	Not Used	7,245	56.9	3,431	63.5	1,158	67.3	386	12.9	12,220	53.5
	Unknown	2,795	22.0	917	17.0	255	14.8	2,552	85.7	6,519	28.6
Grand Total		12,720		5,396		1,721		2,979		22,816	

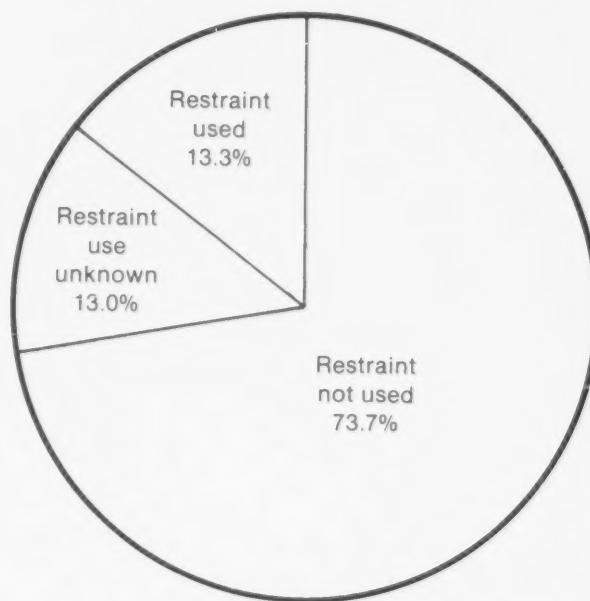
* Restraint usage for uninjured occupants is not available.

** Excludes bicycles, pedestrians, motorcycles, mopeds, farm vehicles, ATVs, and occupants riding on the exterior or "other," (i.e. back of pickup).

Injured



Fatalities



Child Restraint Usage Children Under 6 Years of Age

Severity*	Type	Front Seat Occupant		Back Seat Occupant		Position Unknown		Totals	
		Number	%	Number	%	Number	%	Number	%
Killed	Child Restraint Used	0	--	0	--	--	--	0	--
	Other Restraint	0	--	1	33.3	--	--	1	20.0
	None	1	50.0	2	66.7	--	--	3	60.0
	Unknown	1	50.0	0	--	--	--	1	20.0
Injured	Child Restraint Used	39	12.5	58	24.3	3	3.0	100	15.4
	Other Restraint	48	15.4	55	23.0	4	4.0	107	16.5
	None	183	58.8	106	44.4	20	20.2	309	47.6
	Unknown	41	13.2	20	8.4	72	72.7	133	20.5
Total*	Child Restraint Used	39	12.5	58	24.0	3	3.0	100	15.3
	Other Restraint	48	15.3	56	23.1	4	4.0	108	16.5
	None	184	58.8	108	44.6	20	20.2	312	47.7
	Unknown	42	13.4	20	8.3	72	72.7	134	20.5
Grand Total		313		242		99		654	

* Excludes bicyclists, pedestrians, farm tractors, motorcycles, mopeds, ATVs, bus passengers, and occupants riding on exterior or "other" (i.e. back of pickup).

Total percent may not equal 100 due to rounding.

Fatalities and Injuries of Children Under 6 Years of Age (Occupants of Passenger Vehicles)

Year	Fatalities	Injuries	% Restraint Used
1982	7	826	8.8
1983	5	780	10.7
1984	8	769	13.6
1985*	3	708	31.1
1986	5	649	31.8

* Child restraint law in effect.

Accident Summary

Number of Accidents Involving Specific Vehicle Types: 1986

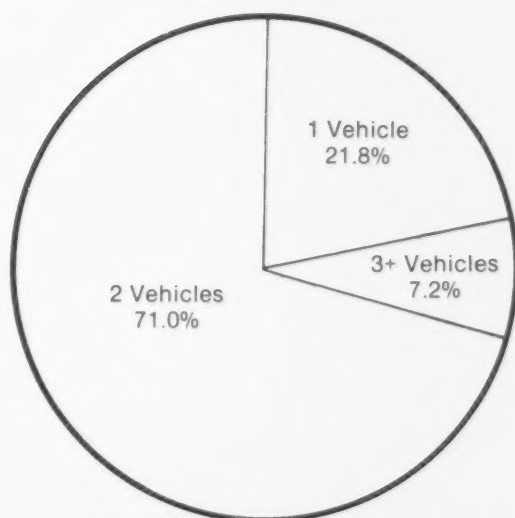
Vehicle Type	All Accidents		Fatal Accidents		Drivers: % with Iowa Licenses**
	No.	Percent	No.*	Percent	
Automobile	53,120	86.1	278	71.6	90.4
Automobile/pickup with trailer or camper	692	1.1	3	0.8	100.0
Bus	205	0.3	0	--	--
School bus	209	0.3	2	0.5	100.0
Bicycle	690	1.1	5	1.3	--
Moped	365	0.6	2	0.5	100.0
Motorcycle	1,905	3.1	51	13.1	94.1
Farm vehicle	343	0.6	7	1.8	85.7
Motor home	93	0.2	0	--	--
Train	112	0.2	3	0.8	--
Panel/van/pickup	14,360	23.3	91	23.5	92.2
Straight truck	1,333	2.2	14	3.6	100.0
Tow/maintenance/ construction vehicle	390	0.6	2	0.5	100.0
Truck tractor	164	0.3	1	0.3	100.0
Truck tractor with trailer	2,148	3.5	47	12.1	66.0
Unknown/Other	2,939	4.8	3	0.8	33.3

"All Accidents" percentages are based on 61,683 accidents which occurred in 1986. Fatal accident percentages are based on 388 fatal accidents which occurred in 1986.

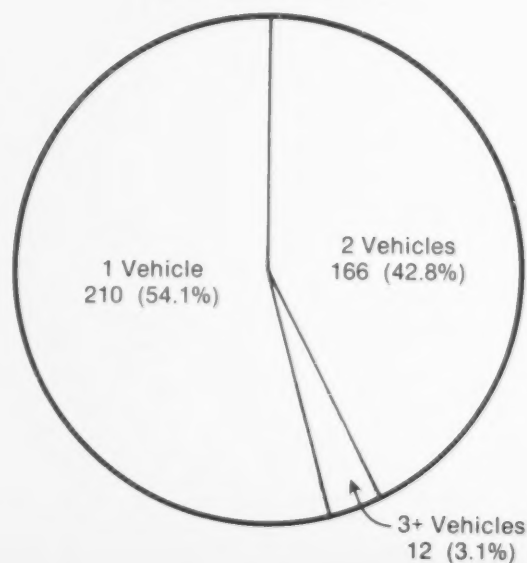
* Percent of drivers with Iowa licenses does not include legally parked vehicles involved in fatal accidents. Therefore, number of fatal accidents may not be the number of vehicles involved in fatal accidents found on vehicle pages.

** 89.2 percent of all drivers involved in fatal accidents in Iowa during 1986 were licensed in Iowa.

All Accidents



Fatal Accidents



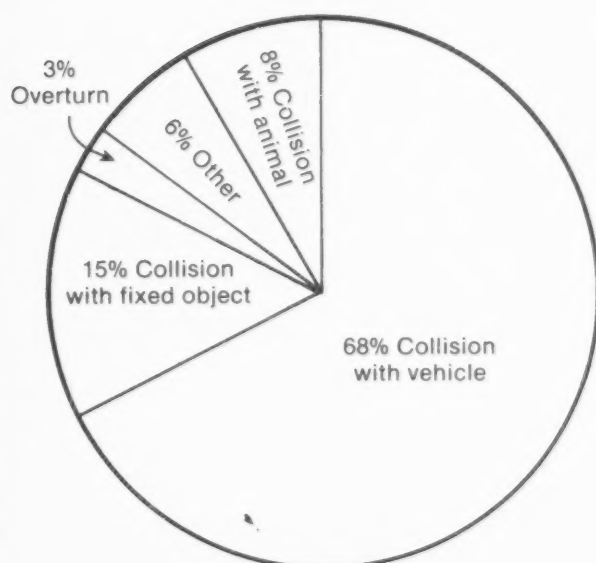
Accident Summary

Accident Type

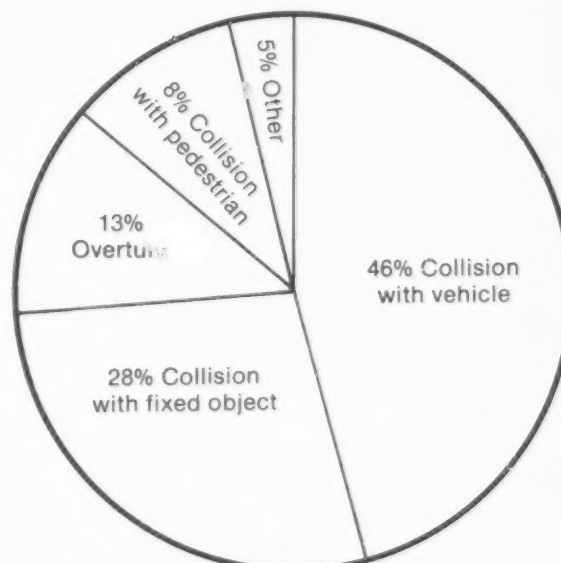
Vehicles Involved in Accidents

	Auto	Pickup/van	Auto or pickup with trailer	Motorcycle	Moped	Tow/maintenance	Bus	School bus	Straight truck	Truck tractor	Truck/trailer	Farm vehicle	Other	Total
Overturn	755	345	51	224	60	12	1	0	56	4	190	12	41	1,751
Collision with:														
Pedestrian	593	109	8	17	7	2	5	2	8	0	5	2	23	781
Vehicle in traffic	59,035	10,525	447	407	215	293	165	169	993	125	1,348	271	1,808	75,801
Parked vehicle	7,349	1,604	59	59	26	51	17	27	102	9	107	14	876	10,300
Motorcycle in traffic	505	100	5	690	4	2	0	2	5	0	4	1	15	1,333
Pedacycle	418	78	4	13	19	0	1	0	4	0	3	1	21	562
Train	72	22	0	1	0	1	0	0	1	1	9	3	3	113
Animal	3,772	733	26	56	4	1	1		13	6	98	0	69	4,780
Fixed object	6,825	1,667	77	291	12	23	11	6	138	17	367	31	287	9,752
Other object	441	114	14	40	4	5	1	1	10	1	31	6	37	705
Other	986	260	23	146	29	5	3	2	31	3	57	4	28	1,577
Total	80,751	15,557	714	1,944	380	395	205	210	1,361	166	2,219	345	3,208	107,455

All Accidents



Fatal Accidents



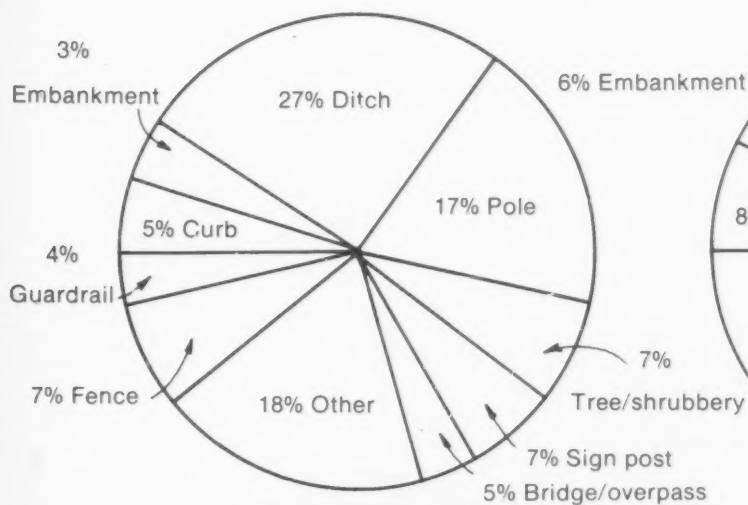
Accident Summary

Fixed Objects

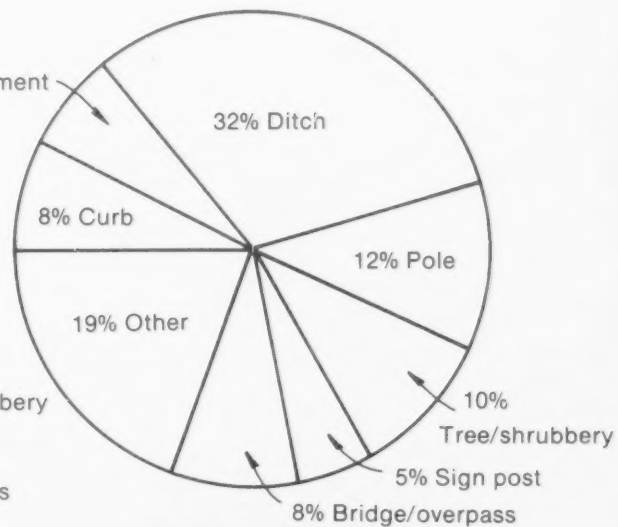
Fixed Objects - All Accidents by Vehicle Type

	Auto	Pickup/van	Auto or pickup with trailer	Motorcycle	Moped	Tow/maintenance	Bus	School bus	Straight truck	Truck tractor	Truck/trailer	Farm vehicle	Other	Total
Ditch	2,517	707	44	117	1	11	1	6	67	6	169	19	35	3,700
Pole	1,690	405	14	20	0	10	9	2	29	5	69	3	63	2,319
Sign post	668	135	10	22	1	3	0	0	10	4	22	1	15	891
Tree/shrubbery	742	150	0	22	1	1	3	3	5	0	7	2	27	963
Guardrail	454	76	11	12	0	1	1	0	5	1	37	1	9	608
Fence	650	170	5	13	0	1	0	0	9	2	34	2	40	926
Bridge/overpass	445	117	11	5	0	2	0	0	20	0	44	5	9	658
Curb	508	68	7	95	6	1	0	0	5	0	7	0	6	703
Building	272	67	3	2	0	0	1	0	5	0	6	0	16	372
Embankment/wall	250	80	0	9	3	2	0	1	2	1	6	0	4	358
Culvert	207	58	1	1	0	1	0	0	4	2	10	0	5	289
Mailbox	162	55	1	6	1	0	0	2	1	0	0	1	25	254
Underpass	31	9	1	0	0	0	0	0	6	0	13	1	1	62
Impact Attenuator	29	5	1	0	0	0	0	0	0	0	2	0	2	39
Other	1,090	215	20	70	5	6	4	2	26	4	57	3	48	1,550
Total	9,715	2,317	129	394	18	39	19	16	194	25	483	38	305	13,692

Fixed Object Struck



All Accidents



Fatal Accidents

Vehicle Defect

	Auto	Pickup/van	Auto or pickup with trailer	Motorcycle	Moped	Tow/ maintenance	Bus	School bus	Straight truck	Truck tractor	Semi	Farm tractor	Other	Total
Brakes	224	63	4	7	8	3	1	2	35	5	22	2	4	380
Tires	207	53	10	20	1	3	0	0	9	2	13	3	2	323
Lights	65	20	4	10	0	1	1	0	8	1	4	10	1	125
Steering	52	14	1	1	0	1	0	0	5	0	4	1	3	82
Trailer hitch	3	7	10	0	0	2	0	0	3	0	8	2	2	37
Wipers	22	4	0	2	0	0	0	0	0	0	2	0	0	30
Other	314	86	14	10	4	7	0	1	22	1	26	11	13	509
None	51,091	10,699	475	1,434	282	293	145	141	973	101	1,656	236	1,623	69,149
Not stated	28,773	4,611	196	460	85	85	58	66	306	56	484	80	1,560	36,820
Total vehicles	80,751	15,557	714	1,944	380	395	205	210	1,361	166	2,219	345	3,208	107,455

Traffic Controls

	Auto	Pickup/van	Auto or pickup with trailer	Motorcycle	Moped	Bicycle	Bus	School bus	Straight truck	Truck tractor	Truck/trailer	Farm tractor	Tow/ maintenance	Other
No controls	35,686	10,339	536	1,474	291	516	129	155	920	111	1,559	291	265	2,402
Traffic signals	7,740	1,832	66	190	29	81	46	21	179	27	259	4	46	315
Stop signs	7,102	1,467	46	99	32	70	24	20	143	15	129	18	47	221
Yield sign	650	120	7	6	5	7	1	1	5	1	10	0	3	13
No Passing zone	400	125	10	29	1	2	1	0	18	1	35	11	3	8
R.R. warning	64	27	1	4	0	0	1	2	1	2	7	2	1	7
R.R. automatic	71	12	0	4	1	0	0	1	0	0	8	0	0	1
R.R. crossing gate	26	5	0	2	0	0	0	0	3	1	1	2	1	3
Other	1,264	378	24	94	4	11	3	9	62	5	132	13	21	36
Not stated	117	55	2	3	2	3	0	0	2	1	8	2	3	26
Total accidents	53,120	14,360	692	1,905	365	690	205	209	1,333	164	2,148	343	390	3,032

Weather*

	Auto	Pickup/van	Auto or pickup with trailer	Motorcycle	Moped	Bicycle	Bus	School bus	Straight truck	Truck tractor	Truck/trailer	Farm tractor	Tow/ maintenance	Other
Clear	30,783	7,986	410	1,393	253	510	108	107	779	102	1,076	240	210	1,808
Cloudy	14,391	4,227	186	420	100	154	69	70	412	38	633	80	119	612
Fog	1,142	372	11	10	0	2	3	8	37	1	93	6	10	37
Mist	1,822	524	26	21	5	4	8	6	34	7	96	7	12	85
Rain	4,092	1,112	52	67	13	18	17	13	89	18	173	17	22	205
Sleet/hail	357	101	3	1	0	0	1	3	7	1	29	0	3	18
Snow	1,767	554	23	0	0	2	12	10	42	8	158	4	32	111
Strong wind	371	132	13	7	1	0	2	0	10	1	58	0	3	21
Other/unknown	1,464	288	13	16	3	11	4	2	17	4	34	6	7	234
Total	56,189	15,296	737	1,935	375	701	224	219	1,427	180	2,350	360	418	3,131

*Up to two weather conditions may be listed for each accident.

Accident Summary

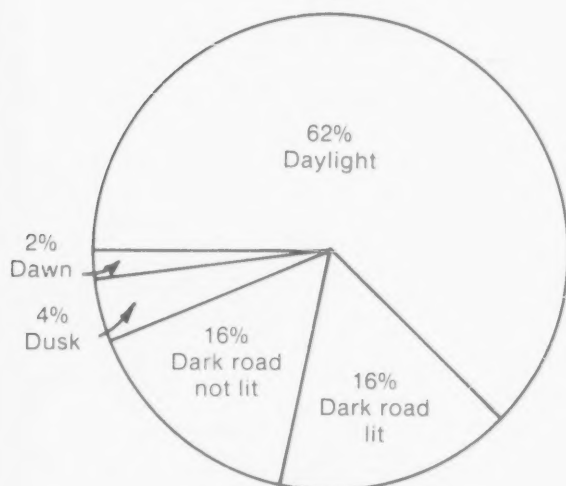
All Accidents

Weather	Number of Accidents	Percent
Clear	35,685	57.8
Cloudy	16,710	27.1
Fog	1,427	2.3
Mist	2,075	3.4
Rain	4,619	7.5
Sleet/hail	432	0.7
Snow	2,125	3.4
Strong wind	511	0.8
Other	152	0.2

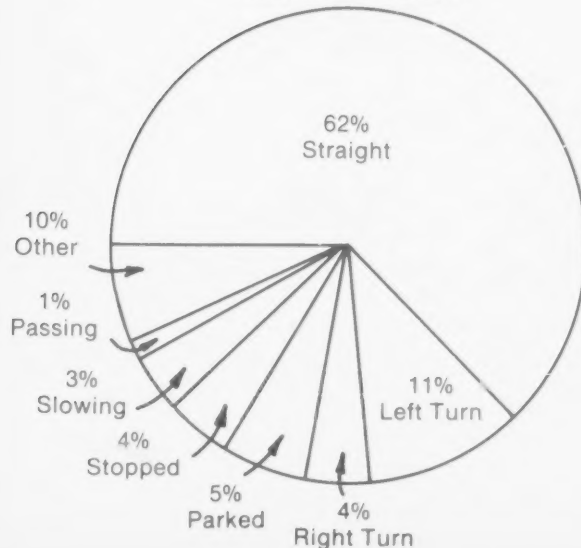
Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents.

Total percent may not equal 100 due to rounding.

Light



Vehicle Action



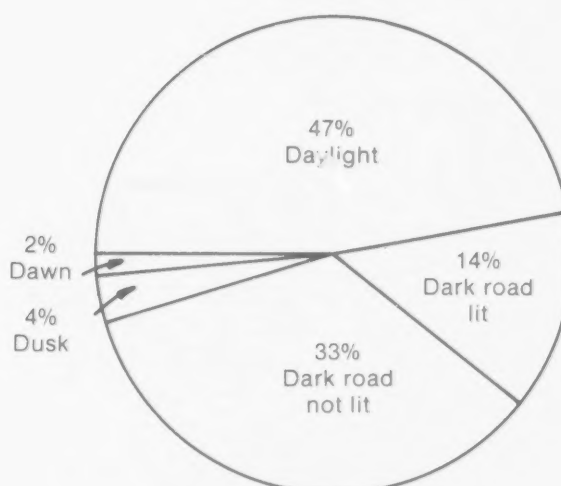
Fatal Accidents

Weather	Number of Accidents	Percent
Clear	209	53.9
Cloudy	123	31.7
Fog	12	3.1
Mist	13	3.3
Rain	35	9.0
Sleet/hail	2	0.5
Snow	13	3.4
Strong wind	11	2.8
Other	5	1.3

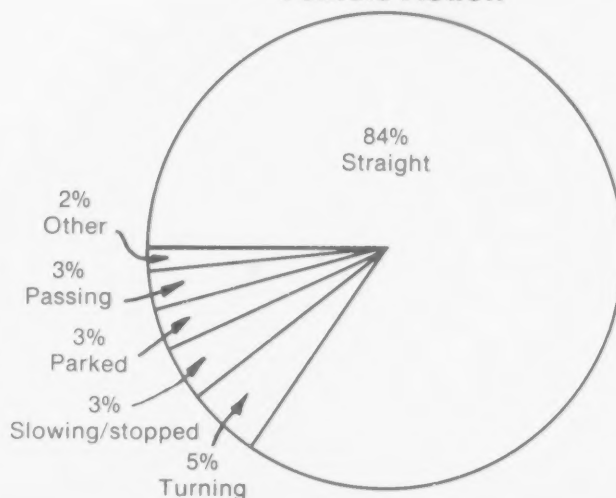
Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of fatal accidents.

Total percent may not equal 100 due to rounding.

Light



Vehicle Action



Accident Summary

All Accidents

Surface Conditions	Number of Accidents	Percent
Dry	45,380	73.6
Wet	11,239	18.2
Ice	5,771	9.4
Snow	4,666	7.6
Loose Gravel	1,496	2.4
Other	676	1.1

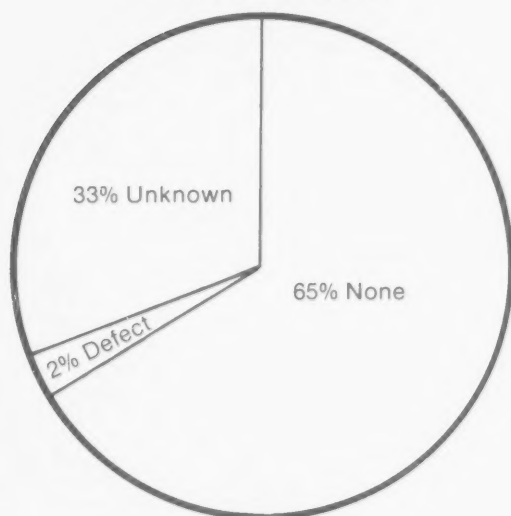
Note: Some accident reports listed more than one type of surface condition. The percentage listed is based on total number of accidents.
Total percent may not equal 100 due to rounding.

Fatal Accidents

Surface Conditions	Number of Accidents	Percent
Dry	284	73.2
Wet	59	15.2
Ice	25	6.4
Snow	17	4.4
Loose Gravel	25	6.4
Other	14	3.6

Note: Some accident reports listed more than one type of surface condition. The percentage listed is based on total number of fatal accidents.
Total percent may not equal 100 due to rounding.

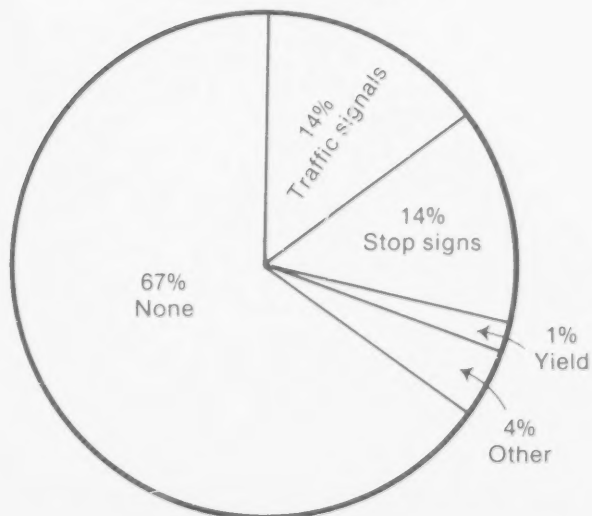
Vehicle Defects



Vehicle Defects



Traffic Controls



Traffic Controls



Accident Summary

Fatal Crashes . . . Posted Speed

The Driver

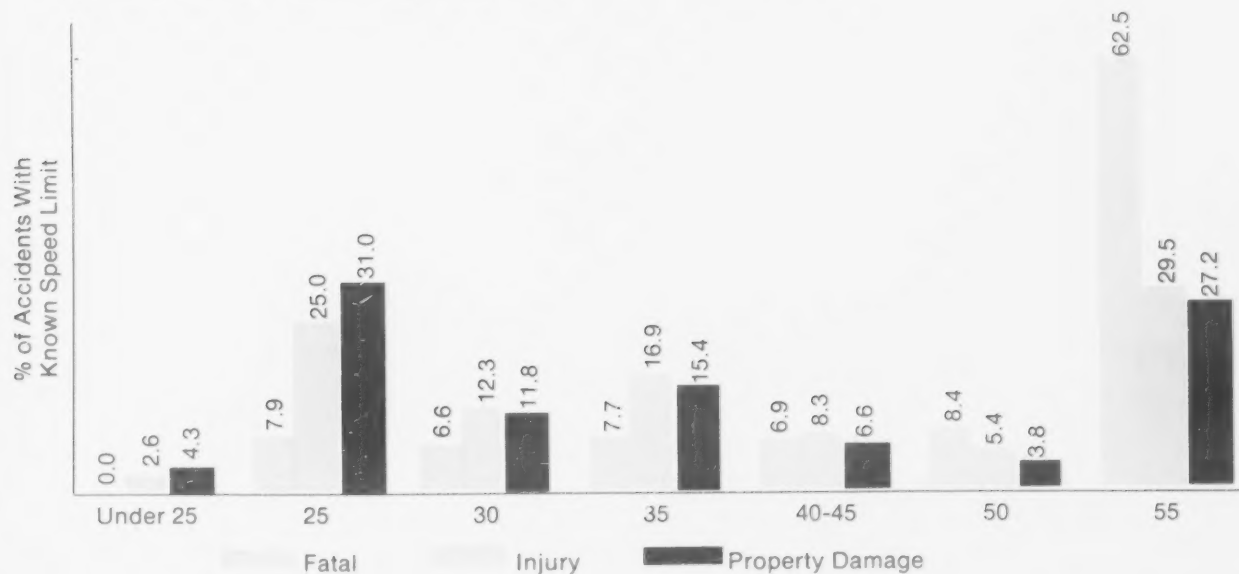
Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	51	8.8
Improper passing	10	1.7
Left of center, not passing	65	11.2
Failure to yield	25	4.3
Wrong way, one-way road	0	--
Speed too fast	90	15.5
Drag racing	0	--
Improper turn	2	0.3
Improper lane change	2	0.3
Following too close	5	0.9
Improper or no signal	4	0.7
Disregarded R.R. signal	0	--
Disregarded warning signal	3	0.5
Reckless driving	15	2.6
Improper backing	2	0.3
Illegal or improper parking	2	0.3
Failure to have control	172	29.7
Lights not on	2	0.3
Inattentive/distracted	26	4.5
Confused/inexperienced	13	2.2
Vision obscured	10	1.7
Oversized vehicle	1	0.2
Other	30	5.2

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	333	63.5
Drinking - impaired	134	25.6
Drinking - not impaired	38	7.3
Drugs	1	0.2
Physical defect	1	0.2
Fatigued	1	0.2
Apparently asleep	9	1.7
Ill	1	0.2
Under medication	0	--
Infirmities of age	3	0.6
Other	3	0.6
Total no. of drivers (condition stated)	524	
Condition not stated	55	
GRAND TOTAL	579	

Note: Total percent may not equal 100 due to rounding.

Accidents By Posted Speed Limit



Iowa Accidents Involving All Vehicles

In 1986 there were:

- 402 motor vehicle occupants killed
- 25,219 motor vehicle occupants injured
- 61,683 accidents involving motor vehicles
- 388 fatal accidents involving motor vehicles
- 18,522 personal injury accidents involving motor vehicles
- 42,773 property damage accidents involving motor vehicles

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	5,608	5.5
Improper passing	845	0.8
Left of center, not passing	1,009	1.0
Failure to yield	5,761	5.7
Wrong way, one-way road	90	0.1
Speed too fast	3,617	3.6
Drag racing	20	*
Improper turn	1,079	1.1
Improper lane change	1,093	1.1
Following too close	1,742	1.7
Improper or no signal	428	0.4
Disregarded R R. signal	42	*
Disregarded warning signal	115	0.1
Reckless driving	587	0.6
Improper backing	1,151	1.1
Illegal or improper parking	159	0.2
Failure to have control	10,415	10.3
Lights not on	129	0.1
Inattentive/distracted	3,854	3.8
Confused/inexperienced	1,553	1.5
Vision obscured	6,132	6.0
Oversized vehicle	70	0.1
Other	4,261	4.2

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

* Less than one-tenth of one percent.

Driver Condition	Number of Drivers	Percent
Apparently normal	91,652	93.7
Drinking - impaired	2,940	3.0
Drinking - not impaired	1,472	1.5
Drugs	36	*
Physical defect	134	0.1
Fatigued	277	0.3
Apparently asleep	536	0.5
Ill	52	0.1
Under medication	55	0.1
Infirmities of age	384	0.4
Other	265	0.3
Total no. of drivers (condition stated)	97,803	
Condition not stated	3,631	
GRAND TOTAL	101,434	

Note: Total percent may not equal 100 percent due to rounding.

Driver Sex	Number of Drivers	Percent
Male	67,785	69.2
Female	30,150	30.8
Total no. of drivers (sex known)	97,935	
Sex not stated	3,499	
GRAND TOTAL	101,434	

Driver Age	Number of Drivers	Percent
15 & younger	922	.9
16	4,597	4.9
17	4,766	5.0
18	4,405	4.6
19	4,034	4.3
20-24	16,062	17.0
25-34	22,502	23.8
35-44	13,555	14.3
45-54	8,197	8.7
55-64	7,213	7.6
65-74	5,078	5.4
75 & older	3,276	3.5
Total no. of drivers (age known)	94,607	
Age not stated	6,827	
GRAND TOTAL	101,434	

Note: In 1986 motor vehicle accidents, 58.5 percent of the motor vehicle occupants who were killed or injured were not wearing safety belts, 17.9 percent were wearing safety belts, and safety belt use was unknown or unreported for 28.6 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	66,388	63.6
Turning left	11,780	11.3
Turning right	4,145	4.0
Backing	2,799	2.7
Stopped in traffic	4,777	4.6
Parked	5,886	5.6
Making U-turn	260	8.3
Passing	1,375	
Changing lanes	1,550	
Merging	586	
Parking	223	
Slowing-stopping	2,910	
Unattended moving vehicle	135	
Other	1,615	
Total no. of vehicles (action stated)	104,429	
Action not stated	3,026	
GRAND TOTAL	107,455	

Note: Total number of vehicles includes parked vehicles involved in accidents.

Iowa

Accidents Involving

Automobiles

In 1986 there were:

- 276 automobile occupants killed
- 19,933 automobile occupants injured
- 53,120 accidents involving automobiles
- 282 fatal accidents involving automobiles
- 15,266 personal injury accidents involving automobiles
- 37,572 property damage accidents involving automobiles

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	4,494	5.9
Improper passing	567	0.7
Left of center, not passing	733	1.0
Failure to yield	4,637	6.1
Wrong way, one-way road	70	0.1
Speed too fast	2,627	3.4
Drag racing	15	*
Improper turn	769	1.0
Improper lane change	764	1.0
Following too close	1,307	1.7
Improper or no signal	269	0.4
Disregarded R.R. signal	26	*
Disregarded warning signal	70	0.1
Reckless driving	439	0.6
Improper backing	682	0.9
Illegal or improper parking	93	0.1
Failure to have control	7,462	9.8
Lights not on	87	0.1
Inattentive/distracted	2,955	3.9
Confused/inexperienced	1,152	1.5
Vision obscured	4,619	6.1
Oversized vehicle	15	*
Other	2,965	3.9

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

* Less than one-tenth of one percent.

Driver Sex	Number of Drivers	Percent
Male	47,066	62.9
Female	27,712	37.1
Total no. of drivers (sex known)	74,778	
Sex not stated	1,391	
GRAND TOTAL	76,169	

Driver Age	Number of Drivers	Percent
15 & younger	496	0.7
16	3,962	5.5
17	4,135	5.7
18	3,762	5.2
19	3,341	4.6
20-24	12,526	17.3
25-34	16,064	22.2
35-44	9,731	13.4
45-54	5,782	8.0
55-64	5,326	7.4
65-74	4,271	5.9
75 & older	2,973	4.1
Total no. of drivers (age known)	72,369	
Age not stated	3,800	
GRAND TOTAL	76,169	

Note: In 1986 automobile accidents, 52.7 percent of the automobile occupants who were killed or injured were not wearing safety belts. 18.3 percent were wearing safety belts, and safety belt use was unknown or unreported for 29.0 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	50,341	63.9
Turning left	9,227	11.7
Turning right	2,886	3.7
Backing	1,786	2.3
Stopped in traffic	3,775	4.8
Parked	4,496	5.7
Making U-turn	194	
Passing	917	
Changing lanes	1,105	
Merging	467	8.0
Parking	149	
Slowing-stopping	2,235	
Unattended moving vehicle	86	
Other	1,138	
Total no. of vehicles (action stated)	78,802	
Action not stated	1,949	
GRAND TOTAL	80,751	

Note: Total number of vehicles includes parked automobiles involved in accidents.

Driver Condition	Number of Drivers	Percent
Apparently normal	69,251	93.9
Drinking - impaired	2,087	2.8
Drinking - not impaired	1,077	1.5
Drugs	26	*
Physical defect	97	0.1
Fatigued	186	0.3
Apparently asleep	403	0.5
Ill	43	0.1
Under medication	38	0.1
Infirmities of age	348	0.5
Other	210	0.3
Total no. of drivers (condition stated)	73,766	
Condition not stated	2,403	
GRAND TOTAL	76,169	

Note: Total Percent may not equal 100 due to rounding.

Iowa Accidents Involving Panels/Vans/Pickups

In 1986 there were:

- 56 panel/van/pickup occupants killed
- 3,004 panel/van/pickup occupants injured
- 14,360 accidents involving panels/vans/pickups
- 94 fatal accidents involving panels/vans/pickups
- 3,955 personal injury accidents involving panels/vans/pickups
- 10,311 property damage accidents involving panels/vans/pickups

Driver Sex	Number of Drivers	Percent
Male	12,602	88.8
Female	1,596	11.2
Total no. of drivers (sex known)	14,198	
Sex not stated	308	
GRAND TOTAL	14,506	

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	808	5.6
Improper passing	117	0.8
Left of center, not passing	164	1.1
Failure to yield	776	5.3
Wrong way, one-way road	11	0.1
Speed too fast	615	4.2
Drag racing	2	*
Improper turn	129	0.9
Improper lane change	185	1.3
Following too close	263	1.8
Improper or no signal	67	0.5
Disregarded R.R. signal	6	*
Disregarded warning signal	20	0.1
Reckless driving	81	0.6
Improper backing	270	1.9
Illegal or improper parking	44	0.3
Failure to have control	1,759	12.1
Lights not on	23	0.2
Inattentive/distracted	583	4.0
Confused/inexperienced	196	1.4
Vision obscured	963	6.6
Oversized vehicle	1	*
Other	643	4.4

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

*Less than one-tenth of one percent.

Driver Condition	Number of Drivers	Percent
Apparently normal	12,748	91.8
Drinking - impaired	620	4.5
Drinking - not impaired	278	2.0
Drugs	6	*
Physical defect	30	0.2
Fatigued	54	0.4
Apparently asleep	74	0.5
Ill	6	*
Under medication	10	0.1
Infirmities of age	31	0.2
Other	34	0.2
Total no. of drivers (condition stated)	13,891	
Condition not stated	615	
GRAND TOTAL	14,506	

Note: Total Percent may not equal 100 due to rounding.

Driver Age	Number of Drivers	Percent
15 & younger	96	0.7
16	501	3.6
17	470	3.4
18	443	3.2
19	451	3.3
20-24	2,237	16.2
25-34	3,947	28.6
35-44	2,295	16.6
45-54	1,408	10.2
55-64	1,162	8.4
65-74	569	4.1
75 & older	229	1.7
Total no. of drivers (age known)	13,808	
Age not stated	698	
GRAND TOTAL	14,506	

Note: In 1986 panel/van/pickup accidents, 60.5 percent of the panel/van/pickup occupants who were killed or injured were not wearing safety belts. 14.1 percent were wearing safety belts, and safety belt use was unknown or unreported for 25.4 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	9,502	62.4
Turning left	1,573	10.3
Turning right	592	3.9
Backing	579	3.8
Stopped in traffic	681	4.5
Parked	1,017	6.7
Making U-turn	38	8.4
Passing	203	
Changing lanes	234	
Merging	74	
Parking	49	
Slowing-stopping	404	
Unattended moving vehicle	34	
Other	251	
Total no. of vehicles (action stated)	15,231	
Action not stated	326	
GRAND TOTAL	15,557	

Note: Total number of vehicles includes parked panels/vans/pickups involved in accidents.

Iowa Accidents Involving

Automobiles/Pickups With Trailers Or Campers

In 1986 there were:

0 occupants of automobiles/pickups with trailers or campers killed

125 occupants of automobiles/pickups with trailers or campers injured

692 accidents involving automobiles/pickups with trailers or campers

3 fatal accidents involving automobiles/pickups with trailers or campers

180 personal injury accidents involving automobiles/pickups with trailers or campers

509 property damage accidents involving automobiles/pickups with trailers or campers

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	25	3.7
Improper passing	10	1.5
Left of center, not passing	7	1.0
Failure to yield	25	3.7
Wrong way, one-way road	0	--
Speed too fast	17	2.5
Drag racing	0	--
Improper turn	9	1.3
Improper lane change	9	1.3
Following too close	11	1.6
Improper or no signal	5	0.7
Disregarded R.R. signal	0	--
Disregarded warning signal	1	0.1
Reckless driving	1	0.1
Improper backing	7	1.0
Illegal or improper parking	3	0.4
Failure to have control	72	10.6
Lights not on	2	0.3
Inattentive/distracted	14	2.1
Confused/inexperienced	8	1.2
Vision obscured	42	6.2
Oversized vehicle	2	0.3
Other	67	9.8

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	643	96.4
Drinking - impaired	10	1.5
Drinking - not impaired	4	0.6
Drugs	1	0.1
Physical defect	0	--
Fatigued	1	0.1
Apparently asleep	3	0.4
Ill	1	0.1
Under medication	2	0.3
Infirmities of age	1	0.1
Other	1	0.1
Total no. of drivers (condition stated)	667	
Condition not stated	14	
GRAND TOTAL	681	

Note: Total Percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	595	89.1
Female	73	10.9
Total no. of drivers (sex known)	668	
Sex not stated	13	
GRAND TOTAL	681	

Driver Age	Number of Drivers	Percent
15 & younger	2	0.3
16	6	0.9
17	9	1.4
18	9	1.4
19	15	2.3
20-24	81	12.3
25-34	178	27.1
35-44	116	17.7
45-54	92	14.0
55-64	68	13.4
65-74	45	6.8
75 & older	16	2.4
Total no. of drivers (age known)	657	
Age not stated	24	
GRAND TOTAL	681	

Note: In 1986 automobile/pickup with trailer or camper accidents, 59.5 percent of the automobile/pickup with trailer or camper occupants who were killed or injured were not wearing safety belts. 11.9 percent were wearing safety belts, and safety belt use was unknown or unreported for 28.6 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	466	66.7
Turning left	76	10.9
Turning right	30	4.3
Backing	17	2.4
Stopped in traffic	21	3.0
Parked	33	4.7
Making U-turn	0	
Passing	13	
Changing lanes	8	
Merging	2	8.0
Parking	3	
Slowing-stopping	19	
Unattended moving vehicle	0	
Other	11	
Total no. of vehicles (action stated)	699	
Action not stated	15	
GRAND TOTAL	714	

Note: Total number of vehicles includes parked automobiles/pickups with trailers or campers.

Iowa

Accidents Involving

Motor Homes

In 1986 there were:

- 0 motor home occupants killed
- 24 motor home occupants injured
- 93 accidents involving motor homes
 - 1 fatal accidents involving motor homes
 - 25 personal injury accidents involving motor homes
 - 67 property damage accidents involving motor homes

Driver Sex	Number of Drivers	Percent
Male	72	90.0
Female	8	10.0
Total no. of drivers (sex known)	80	
Sex not stated	1	
GRAND TOTAL	81	

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	1	1.2
Improper passing	0	--
Left of center, not passing	2	2.5
Failure to yield	5	6.2
Wrong way, one-way road	0	--
Speed too fast	0	--
Drag racing	0	--
Improper turn	3	3.7
Improper lane change	0	--
Following too close	1	1.2
Improper or no signal	1	1.2
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	0	--
Improper backing	2	2.5
Illegal or improper parking	0	--
Failure to have control	10	12.3
Lights not on	0	--
Inattentive/distracted	5	6.2
Confused/inexperienced	1	1.2
Vision obscured	4	4.9
Oversized vehicle	0	--
Other	5	6.2

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	72	93.5
Drinking - impaired	1	1.3
Drinking - not impaired	1	1.3
Drugs	0	--
Physical defect	0	--
Fatigued	0	--
Apparently asleep	1	1.3
Ill	0	--
Under medication	1	1.3
Infirmities of age	0	--
Other	1	1.3
Total no. of drivers (condition stated)	77	
	4	
GRAND TOTAL	81	

Note: Total Percent may not equal 100 due to rounding

Driver Age	Number of Drivers	Percent
15 & younger	1	1.3
16	2	2.5
17	2	2.5
18	1	1.3
19	0	--
20-24	3	3.8
25-34	10	12.5
35-44	15	18.8
45-54	13	16.3
55-64	18	22.5
65-74	13	16.3
75 & older	2	2.5
Total no. of drivers (age known)	80	
Age not stated	1	
GRAND TOTAL	81	

Note: In 1986 motor home accidents, 50.0 percent of the motor home occupants who were injured were not wearing safety belts. 8.3 percent were wearing safety belts, and safety belt use was unknown or unreported for 41.7 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	52	58.4
Turning left	10	11.2
Turning right	5	5.6
Backing	4	4.5
Stopped in traffic	1	1.1
Parked	12	13.5
Making U-turn	0	5.6
Passing	0	
Changing lanes	0	
Merging	1	
Parking	1	
Slowing-stopping	3	
Unattended moving vehicle	0	
Other	0	
Total no. of vehicles (action stated)	89	
Action not stated	4	
GRAND TOTAL	93	

Iowa Accidents Involving Buses

In 1986 there were:

- 0 bus occupants killed
- 46 bus occupants injured
- 205 accidents involving buses
 - 0 fatal accident involving buses
 - 57 personal injury accidents involving buses
 - 148 property damage accidents involving buses

Driver Sex	Number of Drivers	Percent
Male	152	75.6
Female	49	24.4
Total no. of drivers (sex known)	201	
Sex not stated	1	
GRAND TOTAL	202	

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	4	2.0
Improper passing	1	0.5
Left of center, not passing	1	0.5
Failure to yield	12	5.9
Wrong way, one-way road	0	--
Speed too fast	5	2.5
Drag racing	0	--
Improper turn	4	2.0
Improper lane change	0	--
Following too close	5	2.5
Improper or no signal	0	--
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	0	--
Improper backing	4	2.0
Illegal or improper parking	0	--
Failure to have control	9	4.5
Lights not on	0	--
Inattentive/distracted	5	2.5
Confused/inexperienced	1	0.5
Vision obscured	11	5.4
Oversized vehicle	1	0.5
Other	6	3.0

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident

Driver Condition	Number of Drivers	Percent
Apparently normal	197	98.5
Drinking - impaired	2	1.0
Drinking - not impaired	0	--
Drugs	0	--
Physical defect	0	--
Fatigued	1	0.5
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	200	
Condition not stated	2	
GRAND TOTAL	202	

Note: Total Percent may not equal 100 due to rounding.

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	1	0.5
18	0	--
19	1	0.5
20-24	22	11.0
25-34	41	20.5
35-44	52	26.0
45-54	42	21.0
55-64	35	17.5
65-74	6	3.0
75 & older	0	--
Total no. of drivers (age known)	200	
Age not stated	2	
GRAND TOTAL	202	

Note: In 1986 bus accidents, 63.0 percent of the bus occupants who were killed or injured were not wearing safety belts, 2.2 percent were wearing safety belts, and safety belt use was unknown or unreported for 34.8 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	111	55.8
Turning left	23	11.6
Turning right	15	7.5
Backing	6	3.0
Stopped in traffic	19	9.5
Parked	3	1.5
Making U-turn	0	
Passing	3	
Changing lanes	4	
Merging	1	11.1
Parking	0	
Slowing-stopping	10	
Unattended moving vehicle	0	
Other	4	
Total no. of vehicles (action stated)	199	
Action not stated	6	
GRAND TOTAL	205	

Note: Total number of vehicles includes parked buses involved in accidents.

Iowa Accidents Involving School Buses

In 1986 there were:

- 0 school bus occupants killed
- 56 school bus occupants injured
- 209 accidents involving school buses
 - 2 fatal accidents involving a school bus
 - 52 personal injury accidents involving school buses
 - 155 property damage accidents involving school buses

2 persons were killed in school bus accidents. Of this number,
2 were not school bus occupants.

Driver Sex	Number of Drivers	Percent
Male	127	64.1
Female	71	35.9
Total no. of drivers (sex known)	198	
Sex not stated	4	
GRAND TOTAL	202	

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	5	2.5
Improper passing	1	0.5
Left of center, not passing	5	2.5
Wrong way, one-way road	0	--
Speed too fast	4	2.0
Drag racing	0	--
Improper turn	3	1.5
Improper lane change	3	1.5
Following too close	2	1.0
Improper or no signal	0	--
Disregarded R.R. signal	0	--
Disregarded warning signal	2	1.0
Reckless driving	0	--
Improper backing	8	4.0
Illegal or improper parking	1	0.5
Failure to have control	10	5.0
Lights not on	1	0.5
Inattentive/distracted	2	1.0
Confused/inexperienced	5	2.5
Vision obscured	21	10.4
Oversized vehicle	1	0.5
Other	10	5.0

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	200	100.0
Drinking - impaired	0	--
Drinking - not impaired	0	--
Drugs	0	--
Physical defect	0	--
Fatigued	0	--
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	200	
Condition not stated	2	
GRAND TOTAL	202	

Note: Total percent may not equal 100 due to rounding.

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	1	0.5
18	0	--
19	0	--
20-24	15	7.7
25-34	46	23.7
35-44	48	24.7
45-54	41	21.1
55-64	28	14.4
65-74	15	7.7
75 & older	0	--
Total no. of drivers (age known)	194	
Age not stated	8	
GRAND TOTAL	202	

Note: In 1986 school bus accidents, 80.4 percent of the school bus occupants who were killed or injured were not wearing safety belts, 10.7 percent were wearing safety belts, and safety belt use was unknown or unreported for 8.9 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	89	44.3
Turning left	30	14.9
Turning right	13	6.5
Backing	16	8.0
Stopped in traffic	22	10.9
Parked	7	3.5
Making U-turn	0	
Passing	1	
Changing lanes	2	
Merging	1	11.9
Parking	2	
Slowing-stopping	11	
Unattended moving vehicle	1	
Other	6	
Total no. of vehicles (action stated)	201	
Action not stated	9	
GRAND TOTAL	210	

Note: Total number of vehicles includes parked school buses involved in accidents.

Iowa Accidents Involving Motorcycles

In 1986 there were:

53 motorcycle operators or passengers killed
1,816 motorcycle operators or passengers injured
1,905 accidents involving motorcycles
51 fatal accidents involving motorcycles
1,584 personal injury accidents involving motorcycles
270 property damage accidents involving motorcycles

Operator Sex	Number of Operators	Percent
Male	1,840	97.1
Female	54	2.9
Total no. of operators (sex known)	1,894	
Sex not stated	23	
GRAND TOTAL	1,917	

The Operator

Operator Action/ Contributing Circumstances	Number of Operators	Percent
Ran traffic control	32	1.7
Improper passing	43	2.2
Left of center, not passing	19	1.0
Failure to yield	45	2.3
Wrong way, one-way road	2	0.1
Speed too fast	162	8.5
Drag racing	2	0.1
Improper turn	4	0.2
Improper lane change	1	0.1
Following too close	2	0.1
Improper or no signal	5	0.3
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	1	0.1
Improper backing	0	--
Illegal or improper parking	1	0.1
Failure to have control	47	2.5
Lights not on	1	0.1
Inattentive/distracted	27	1.4
Confused/inexperienced	38	2.0
Vision obscured	9	0.5
Oversized vehicle	0	--
Other	21	1.1

Operator Age	Number of Operators	Percent
15 & younger	49	2.6
16	37	2.0
17	77	4.1
18	125	6.7
19	153	8.2
20-24	563	30.0
25-34	594	31.6
35-44	165	8.8
45-54	66	3.5
55-64	36	1.9
65-74	8	0.4
75 & older	4	0.2
Total no. of operators (age known)	1,877	
Age not stated	40	
GRAND TOTAL	1,917	

Note: In 1986 motorcycle accidents, 77.4 percent of the motorcycle riders who were killed or injured were not wearing helmets, 11.6 percent were wearing helmets, and helmet use was unknown or unreported for 11.0 percent of those killed or injured.

Note: From 0-2 actions/circumstances are listed for each operator involved in an accident

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	1,478	77.5
Turning left	117	6.1
Turning right	85	4.5
Backing	2	0.1
Stopped in traffic	21	1.1
Parked	27	1.4
Making U-turn	6	
Passing	64	
Changing lanes	16	9.3
Merging	9	
Parking	0	
Slowing-stopping	26	
Unattended moving vehicle	0	
Other	57	
Total no. of vehicles (action stated)	1,908	
Action not stated	36	
GRAND TOTAL	1,944	

Note: Total percent may not equal 100 due to rounding

Operator Condition	Number of Operators	Percent
Apparently normal	1,528	84.7
Drinking - impaired	160	8.9
Drinking - not impaired	96	5.3
Drugs	0	--
Physical defect	1	0.1
Fatigued	8	0.4
Apparently asleep	1	0.1
Ill	0	--
Under medication	3	0.2
Infirmities of age	1	0.1
Other	5	0.3
Total no. of operators (condition stated)	1,803	
Condition not stated	114	
GRAND TOTAL	1,917	

Iowa Accidents Involving Mopeds

In 1986 there were:

- 2 moped operators or passengers killed
- 356 moped operators or passengers injured
- 365 accidents involving mopeds
 - 2 fatal accidents involving mopeds
 - 346 personal injury accidents involving mopeds
 - 17 property damage accidents involving mopeds

The Operator

Operator Action/ Contributing Circumstances	Number of Operators	Percent
Ran traffic control	15	3.9
Improper passing	1	0.3
Left of center, not passing	7	1.8
Failure to yield	23	6.1
Wrong way, one-way road	1	0.3
Speed too fast	2	0.5
Drag racing	0	--
Improper turn	4	1.1
Improper lane change	1	0.3
Following too close	2	0.5
Improper or no signal	5	1.3
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	1	0.3
Improper backing	0	--
Illegal or improper parking	1	0.3
Failure to have control	47	12.4
Lights not on	1	0.3
Inattentive/distracted	27	7.1
Confused/inexperienced	38	10.0
Vision obscured	9	2.4
Oversized vehicle	0	--
Other	21	5.5

Note: From 0-2 actions/circumstances are listed for each operator involved in an accident.

Operator Condition	Number of Operators	Percent
Apparently normal	350	97.5
Drinking - impaired	5	1.4
Drinking - not impaired	1	0.3
Drugs	0	--
Physical defect	1	0.3
Fatigued	0	--
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	2	0.6
Total no. of operators (condition stated)	359	
Condition not stated	21	
GRAND TOTAL	380	

Note: Total percent may not equal 100 due to rounding.

Operator Sex	Number of Operators	Percent
Male	282	74.2
Female	98	25.8
Total no. of operators (sex known)	380	
Sex not stated		
GRAND TOTAL	380	

Operator Age	Number of Operators	Percent
15 & younger	246	65.8
16	39	10.4
17	10	2.7
18	2	0.5
19	5	1.3
20-24	11	2.9
25-34	15	4.0
35-44	17	4.5
45-54	10	2.7
55-64	11	2.9
65-74	7	1.9
75 & older	1	0.3
Total no. of drivers (age known)	374	
Age not stated	6	
GRAND TOTAL	380	

Note: In 1986 moped accidents, 83.5 percent of the moped riders who were killed or injured were not wearing helmets. 7.3 percent were wearing helmets, and helmet use was unknown or unreported for 9.2 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	280	75.7
Turning left	52	14.1
Turning right	23	6.2
Backing	1	0.3
Stopped in traffic	3	0.8
Parked	0	--
Making U-turn	0	
Passing	3	
Changing lanes	0	
Merging	0	3.0
Parking	1	
Slowing-stopping	4	
Unattended moving vehicle	0	
Other	3	
Total no. of vehicles (action stated)	370	
Action not stated	10	
GRAND TOTAL	380	

Iowa Accidents Involving Bicycles

In 1986 there were:

- 5 bicycle riders killed in bicycle/motor vehicle accidents
- 659 bicycle riders injured in bicycle/motor vehicle accidents
- 690 accidents involving bicycles/motor vehicles
- 5 fatal accidents involving bicycles/motor vehicles
- 659 personal injury accidents involving bicycles/motor vehicles
- 26 property damage accidents involving bicycles/motor vehicles

The Driver Of Motor Vehicle Involved

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	22	3.2
Improper passing	5	0.7
Left of center, not passing	2	0.3
Failure to yield	46	6.7
Wrong way, one-way road	1	0.1
Speed too fast	5	0.7
Drag racing	0	--
Improper turn	3	0.4
Improper lane change	0	--
Following too close	2	0.3
Improper or no signal	2	0.3
Disregarded R.R. signal	0	--
Disregarded warning signal	1	0.1
Reckless driving	5	0.7
Improper backing	2	0.3
Illegal or improper parking	0	--
Failure to have control	11	1.6
Lights not on	1	0.1
Inattentive/distracted	24	3.5
Confused/inexperienced	6	0.9
Vision obscured	97	14.2
Oversized vehicle	0	--
Other	14	2.0

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident

Driver Condition	Number of Drivers	Percent
Apparently normal	649	97.9
Drinking - impaired	2	0.3
Drinking - not impaired	5	0.8
Drugs	0	--
Physical defect	0	--
Fatigued	0	--
Apparently asleep	1	0.2
Ill	0	--
Under medication	0	--
Infirmities of age	3	0.5
Other	3	0.5
Total no. of drivers (condition stated)	663	
Condition not stated	21	
GRAND TOTAL	684	

Note: Total percent may not equal 100 due to rounding

The Bicyclist

Bicyclist Sex	Killed	Injured
Male	5	433
Female	0	179
Total no. of bicyclists (sex known)	5	612
Sex not stated		47
GRAND TOTAL	5	659

Bicyclist Age	Killed	Injured
0-4	1	12
5-9	1	158
10-14	1	216
15-19	0	105
20-24	0	54
25-44	1	76
45-64	0	12
65 & older	1	2
Total no. of bicyclists (age known)	5	635
Age not stated		24
GRAND TOTAL	5	659

The Driver

Driver Age	Number of Drivers	Percent
15 & younger	11	1.7
16	29	4.6
17	22	3.5
18	29	4.6
19	19	3.0
20-24	80	12.6
25-34	152	24.0
35-44	96	15.2
45-54	61	9.6
55-64	59	9.3
65-74	47	7.4
75 & older	28	4.4
Total no. of drivers (age known)	633	
Age not stated	51	
GRAND TOTAL	684	

The Motor Vehicle

Vehicle Action	Number of Vehicles	Percent
Going straight	452	66.8
Turning left	102	15.1
Turning right	61	9.0
Backing	17	2.5
Stopped in traffic	5	0.7
Parked	8	1.2
Making U-turn	0	
Passing	14	
Changing lanes	2	
Merging	2	4.7
Parking	1	
Slowing-stopping	3	
Unattended moving vehicle	0	
Other	10	
Total no. of vehicles (action stated)	677	
Action not stated	15	
GRAND TOTAL	692	

Iowa Accidents Involving Farm Vehicles

In 1986 there were:

- 2 farm vehicle occupants killed
- 57 farm vehicle occupants injured
- 343 accidents involving farm vehicles
 - 7 fatal accidents involving farm vehicles
 - 134 personal injury accidents involving farm vehicles
 - 202 property damage accidents involving farm vehicles

7 persons were killed in farm vehicle accidents. Of this number, 5 (71.4 percent) were not farm vehicle occupants.

Driver Sex	Number of Drivers	Percent
Male	315	95.7
Female	14	4.3
Total no. of drivers (sex known)	329	
Sex not stated	6	
GRAND TOTAL	335	

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	10	3.0
Improper passing	3	0.9
Left of center, not passing	8	2.4
Failure to yield	21	6.3
Wrong way, one-way road	0	--
Speed too fast	2	0.6
Drag racing	0	--
Improper turn	6	1.8
Improper lane change	3	0.9
Following too close	0	--
Improper or no signal	35	10.4
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	0	--
Improper backing	2	0.6
Illegal or improper parking	2	0.6
Failure to have control	13	3.9
Lights not on	5	1.5
Inattentive/distracted	17	5.1
Confused/inexperienced	4	1.2
Vision obscured	41	12.2
Oversized vehicle	9	2.7
Other	37	11.0

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	317	98.4
Drinking - impaired	1	0.3
Drinking - not impaired	0	--
Drugs	0	--
Physical defect	0	--
Fatigued	2	0.6
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	2	0.6
Other	0	--
Total no. of drivers	322	
Condition not stated	13	
GRAND TOTAL	335	

Note: Total percent may not equal 100 due to rounding.

Driver Age	Number of Drivers	Percent
15 & younger	5	1.6
16	1	0.3
17	5	1.6
18	10	3.1
19	7	2.2
20-24	33	10.3
25-34	81	25.4
35-44	56	17.6
45-54	39	12.2
55-64	42	13.2
65-74	21	6.6
75 & older	19	6.0
Total no. of drivers (age known)	319	
Age not stated	16	
GRAND TOTAL	335	

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	168	50.0
Turning left	123	36.6
Turning right	12	3.6
Backing	3	0.9
Stopped in traffic	7	2.1
Parked	9	2.7
Making U-turn	1	4.2
Passing	3	
Changing lanes	1	
Merging	0	
Parking	1	
Slowing-stopping	1	
Unattended moving vehicle	1	
Other	6	
Total no. of vehicles (action stated)	336	
Action not stated	9	
GRAND TOTAL	345	

Iowa Accidents Involving

Tow/Maintenance/ Construction Vehicles

In 1986 there were:

- 2 tow/maintenance/construction vehicle occupants killed
- 32 tow/maintenance/construction vehicle occupants injured
- 390 accidents involving tow/maintenance/construction vehicles
- 2 fatal accidents involving tow/maintenance/construction vehicles
- 99 personal injury accidents involving tow/maintenance/construction vehicles
- 289 property damage accidents involving tow/maintenance/construction vehicles

2 persons were killed in tow/maintenance/construction vehicle accidents. Of this number 0 (0.0 percent) were not tow/maintenance/construction vehicle occupants.

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	15	4.0
Improper passing	2	0.5
Left of center, not passing	5	1.3
Failure to yield	15	4.0
Wrong way, one-way road	0	--
Speed too fast	7	1.9
Drag racing	0	--
Improper turn	10	2.7
Improper lane change	6	1.6
Following too close	5	1.3
Improper or no signal	1	0.3
Disregarded R.R. signal	1	0.3
Disregarded warning signal	0	--
Reckless driving	1	0.3
Improper backing	20	5.4
Illegal or improper parking	1	0.3
Failure to have control	21	5.7
Lights not on	0	--
Inattentive/distracted	15	4.0
Confused/inexperienced	1	0.3
Vision obscured	39	10.5
Oversized vehicle	1	0.3
Other	23	6.2

Note: From D-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	354	98.9
Drinking - impaired	2	0.6
Drinking - not impaired	0	--
Drugs	0	--
Physical defect	0	--
Fatigued	2	0.6
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	358	
Condition not stated	13	
GRAND TOTAL	371	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	354	98.3
Female	6	1.7
Total no. of drivers (sex known)	360	
Sex not stated	11	
GRAND TOTAL	371	

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	1	0.3
17	1	0.3
18	1	0.3
19	1	0.3
20-24	44	12.5
25-34	110	31.3
35-44	82	23.3
45-54	61	17.3
55-64	48	13.6
65-74	3	0.9
75 & older	0	--
Total no. of drivers (age known)	352	
Age not stated	19	
GRAND TOTAL	371	

Note: In 1986 tow/maintenance/construction accidents, 70.6 percent of the tow/maintenance/construction vehicle occupants who were killed or injured were not wearing safety belts, 11.8 percent were wearing safety belts, and safety belt use was unknown or unreported for 17.6 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	168	44.0
Turning left	45	11.8
Turning right	18	4.7
Backing	63	16.5
Stopped in traffic	21	5.5
Parked	24	6.3
Making U-turn	4	11.3
Passing	4	
Changing lanes	5	
Merging	1	
Parking	0	
Slowing-stopping	9	
Unattended moving vehicle	0	
Other	20	
Total no. of vehicles (action stated)	382	
Action not stated	13	
GRAND TOTAL	395	

Note: Total number of vehicles includes parked tow/maintenance/construction vehicles involved in accidents.

Iowa Accidents Involving Straight Trucks

In 1986 there were:

- 0 straight truck occupants killed
- 149 straight truck occupants injured
- 1,333 accidents involving straight trucks
 - 14 fatal accidents involving straight trucks
 - 363 personal injury accidents involving straight trucks
 - 956 property damage accidents involving straight trucks
- 14 persons were killed in straight truck accidents. Of this number 14 (100.0 percent) were not straight truck occupants.

Driver Sex	Number of Drivers	Percent
Male	1,246	97.7
Female	29	2.3
Total no. of drivers (sex known)	1,275	
Sex not stated	19	
GRAND TOTAL	1,294	

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	69	5.3
Improper passing	17	1.3
Left of center, not passing	14	1.1
Failure to yield	50	3.9
Wrong way, one-way road	2	0.2
Speed too fast	36	2.8
Drag racing	0	--
Improper turn	27	2.1
Improper lane change	21	1.6
Following too close	25	1.9
Improper or no signal	15	1.2
Disregarded R.R. signal	0	--
Disregarded warning signal	7	0.5
Reckless driving	1	0.1
Improper backing	44	3.4
Illegal or improper parking	3	0.2
Failure to have control	122	9.4
Lights not on	3	0.2
Inattentive/distracted	38	2.9
Confused/inexperienced	21	1.6
Vision obscured	102	7.9
Oversized vehicle	8	0.6
Other	94	7.3

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	1,239	98.1
Drinking - impaired	9	0.7
Drinking - not impaired	2	0.2
Drugs	0	--
Physical defect	0	--
Fatigued	2	0.2
Apparently asleep	7	0.6
Ill	0	--
Under medication	0	--
Infirmities of age	1	0.1
Other	3	0.2
Total no. of drivers (condition stated)	1,263	
Condition not stated	31	
GRAND TOTAL	1,294	

Note: Total percent may not equal 100 due to rounding.

Driver Age	Number of Drivers	Percent
15 & younger	2	0.2
16	6	0.5
17	10	0.8
18	10	0.8
19	25	2.0
20-24	189	15.2
25-34	410	33.0
35-44	236	19.0
45-54	160	12.9
55-64	143	11.5
65-74	46	3.7
75 & older	7	0.6
Total no. of drivers (age known)	1,244	
Age not stated	50	
GRAND TOTAL	1,294	

Note: In 1986 straight truck accidents, 55.0 percent of the straight truck occupants who were killed or injured were not wearing safety belts, 13.4 percent were wearing safety belts, and safety belt use was unknown or unreported for 31.6 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	754	56.6
Turning left	130	9.8
Turning right	117	8.8
Backing	84	6.3
Stopped in traffic	42	3.2
Parked	61	4.6
Making U-turn	3	10.7
Passing	24	
Changing lanes	26	
Merging	2	
Parking	5	
Slowing-stopping	48	
Unattended moving vehicle	6	
Other	31	
Total no. of vehicles (action stated)	1,333	
Action not stated	28	
GRAND TOTAL	1,361	

Note: Total number of vehicles includes parked straight trucks involved in accidents.

Iowa Accidents Involving Truck Tractors

In 1986 there were:

- 0 truck tractor occupants killed
- 20 truck tractor occupants injured
- 164 accidents involving truck tractors
 - 1 fatal accidents involving truck tractors
 - 45 personal injury accidents involving truck tractors
 - 117 property damage accidents involving truck tractors
- 1 person was killed in truck tractor accidents. Of this number, 1 (100.0 percent) was not a truck tractor occupant.

Driver Sex	Number of Drivers	Percent
Male	151	97.4
Female	4	2.6
Total no. of drivers (sex known)	155	
Sex not stated	3	
GRAND TOTAL	158	

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	6	3.8
Improper passing	3	1.9
Left of center, not passing	1	0.6
Failure to yield	11	7.0
Wrong way, one-way road	0	--
Speed too fast	3	1.9
Drag racing	0	--
Improper turn	9	5.7
Improper lane change	8	5.1
Following too close	6	3.8
Improper or no signal	2	1.3
Disregarded R.R. signal	1	0.6
Disregarded warning signal	0	--
Reckless driving	0	--
Improper backing	0	--
Illegal or improper parking	1	0.6
Failure to have control	12	7.6
Lights not on	0	--
Inattentive/distracted	8	5.1
Confused/inexperienced	1	0.6
Vision obscured	11	7.0
Oversized vehicle	0	--
Other	10	6.3

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident

Driver Condition	Number of Drivers	Percent
Apparently normal	147	95.5
Drinking - impaired	0	--
Drinking - not impaired	2	1.3
Drugs	0	--
Physical defect	1	0.6
Fatigued	0	--
Apparently asleep	2	1.3
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	2	1.3
Total no. of drivers (condition stated)	154	
Condition not stated	4	
GRAND TOTAL	158	

Note: Total percent may not equal 100 due to rounding

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	1	0.7
18	1	0.7
19	1	0.7
20-24	20	13.4
25-34	47	31.5
35-44	39	26.2
45-54	23	15.4
55-64	14	9.4
65-74	1	0.7
75 & older	2	1.3
Total no. of drivers (age known)	149	
Age not stated	9	
GRAND TOTAL	158	

Note: In 1986 truck tractor accidents, 30.0 percent of the truck tractor occupants who were killed or injured were not wearing safety belts. 45.0 percent were wearing safety belts, and safety belt use was unknown or unreported for 25.0 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	76	47.8
Turning left	18	11.3
Turning right	19	11.9
Backing	5	3.1
Stopped in traffic	6	3.8
Parked	8	5.0
Making U-turn	2	17.0
Passing	6	
Changing lanes	9	
Merging	0	
Parking	0	
Slowing-stopping	8	
Unattended moving vehicle	0	
Other	2	
Total no. of vehicles (action stated)	159	
Action not stated	7	
GRAND TOTAL	166	

Note: Total number of vehicles includes parked truck tractors involved in accidents

Iowa Accidents Involving

Truck Tractors With Trailers

In 1986 there were:

- 7 occupants of truck tractors with trailers killed
- 294 occupants of truck tractors with trailers injured
- 2,148 accidents involving truck tractors with trailers
- 47 fatal accidents involving truck tractors with trailers
- 571 personal injury accidents involving truck tractors with trailers
- 1,530 property damage accidents involving truck tractors with trailers

55 persons were killed in truck tractor with trailers accidents. Of this number, 48 (87.3 percent) were not occupants of truck tractors with trailers.

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	40	1.8
Improper passing	50	2.3
Left of center, not passing	16	0.7
Failure to yield	43	2.0
Wrong way, one-way road	1	*
Speed too fast	74	3.4
Drag racing	1	*
Improper turn	74	3.4
Improper lane change	60	2.8
Following too close	38	1.8
Improper or no signal	11	0.5
Disregarded R.R. signal	5	0.2
Disregarded warning signal	5	0.2
Reckless driving	3	0.1
Improper backing	44	2.0
Illegal or improper parking	2	0.1
Failure to have control	265	12.2
Lights not on	0	--
Inattentive/distracted	68	3.1
Confused/inexperienced	30	1.4
Vision obscured	139	6.4
Oversized vehicle	29	1.3
Other	125	5.8

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

*Less than one-tenth of one percent.

Driver Condition	Number of Drivers	Percent
Apparently normal	2,014	95.9
Drinking - impaired	13	0.6
Drinking - not impaired	4	0.2
Drugs	3	0.1
Physical defect	1	*
Fatigued	19	0.9
Apparently asleep	41	2.0
Ill	2	0.1
Under medication	1	*
Infirmities of age	0	--
Other	2	0.1
Total no. of drivers (condition stated)	2,100	
Condition not stated	64	
GRAND TOTAL	2,164	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	2,091	98.7
Female	27	1.3
Total no. of drivers (sex known)	2,118	
Sex not stated	46	
GRAND TOTAL	2,164	

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	3	0.1
18	8	0.4
19	5	0.2
20-24	193	9.3
25-34	752	36.3
35-44	542	26.2
45-54	362	17.5
55-64	187	9.0
65-74	19	0.9
75 & older	0	--
Total no. of drivers (age known)	2,071	
Age not stated	93	
GRAND TOTAL	2,164	

Note: In 1986 truck tractor with trailer accidents, 51.3 percent of the truck tractor with trailer occupants who were killed or injured were not wearing safety belts. 25.2 percent were wearing safety belts, and safety belt use was unknown or unreported for 23.5 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	1,308	60.3
Turning left	170	7.8
Turning right	221	10.2
Backing	76	3.5
Stopped in traffic	41	1.9
Parked	53	2.4
Making U-turn	5	
Passing	86	
Changing lanes	81	
Merging	14	13.8
Parking	1	
Slowing-stopping	64	
Unattended moving vehicle	2	
Other	47	
Total no. of vehicles (action stated)	2,169	
Action not stated	50	
GRAND TOTAL	2,219	

Note: Total number of vehicles includes parked truck tractors with trailers involved in accidents.

Iowa Accidents Involving

Trains *

In 1986 there were:

- 5 persons killed in train/motor vehicle accidents
- 82 persons injured in train/motor vehicle accidents
- 111 train/motor vehicle accidents involving 111 trains and 111 vehicles
- 3 fatal accidents involving trains/motor vehicles
- 58 personal injury accidents involving trains/motor vehicles
- 50 property damage accidents involving trains/motor vehicles

(All figures apply to train/motor vehicle accidents at public crossings. Private crossing accident information is not included. All 5 persons killed were motor vehicle drivers, riders or occupants.)

The Driver Of Motor Vehicle Involved

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	10	9.0
Improper passing	1	0.9
Left of center, not passing	0	--
Failure to yield	7	6.3
Wrong way, one-way road	0	--
Speed too fast	6	5.4
Drag racing	0	--
Improper turn	0	--
Improper lane change	0	--
Following too close	1	0.9
Improper or no signal	0	--
Disregarded R.R. signal	32	28.8
Disregarded warning signal	7	6.3
Reckless driving	1	0.9
Improper backing	0	--
Illegal or improper parking	1	0.9
Failure to have control	1	0.9
Lights not on	0	--
Inattentive/distracted	7	6.3
Confused/inexperienced	2	1.8
Vision obscured	4	3.6
Oversized vehicle	1	0.9
Other	1	0.9

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident

Driver Condition	Number of Drivers	Percent
Apparently normal	80	83.3
Drinking - impaired	9	9.4
Drinking - not impaired	6	6.3
Drugs	0	--
Physical defect	0	--
Fatigued	1	1.0
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	96	
Condition not stated	15	
GRAND TOTAL	111	

Note: Total percent may not equal 100 due to rounding

*Information provided by Rail & Water Division, Iowa DOT, Ames

Driver Sex	Number of Drivers	Percent
Male	83	76.9
Female	25	23.1
Total no. of drivers (sex known)	108	
Sex not stated	3	
GRAND TOTAL	111	

Driver Age	Number of Drivers	Percent
15 & younger	4	3.6
16	4	3.6
17	1	0.9
18	3	2.7
19	7	6.3
20-24	17	15.3
25-34	28	25.2
35-44	25	22.5
45-54	10	9.0
55-64	7	6.3
65-74	1	0.9
75 & older	4	3.6
Total no. of drivers (age known)	111	
Age not stated	0	
GRAND TOTAL	111	

Note: In 1986 train/motor vehicle accidents, 59.0 percent of the motor vehicle occupants who were killed or injured were not wearing safety belts. 16.9 percent were wearing safety belts, and safety belt use was unknown or unreported for 24.1 percent of those killed or injured.

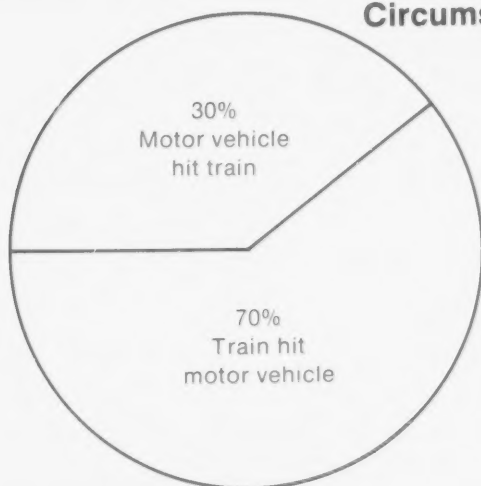
The Motor Vehicle

Vehicle Action	Number of Vehicles	Percent
Going straight	97	89.8
Turning left	2	1.9
Turning right	2	1.9
Backing	0	--
Stopped in traffic	3	2.8
Parked	1	0.9
Making U-turn	0	
Passing	0	
Changing lanes	0	
Merging	0	2.8
Parking	0	
Slowing-stopping	1	
Unattended moving vehicle	0	
Other	2	
Total no. of vehicles (action stated)	108	
Action not stated	3	
GRAND TOTAL	111	

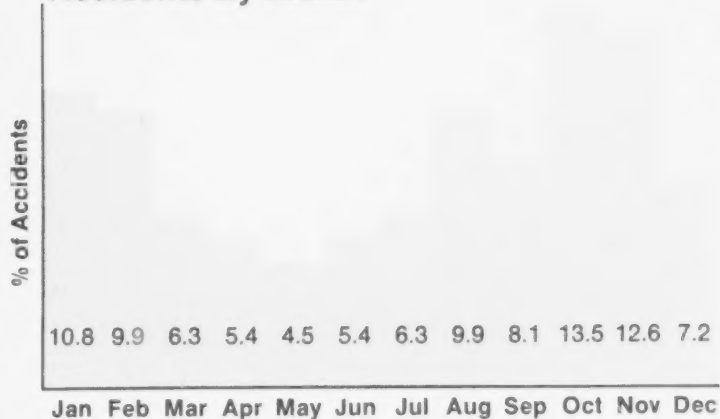
Note: Total number of vehicles includes parked motor vehicles involved in train/motor vehicle accidents

Trains

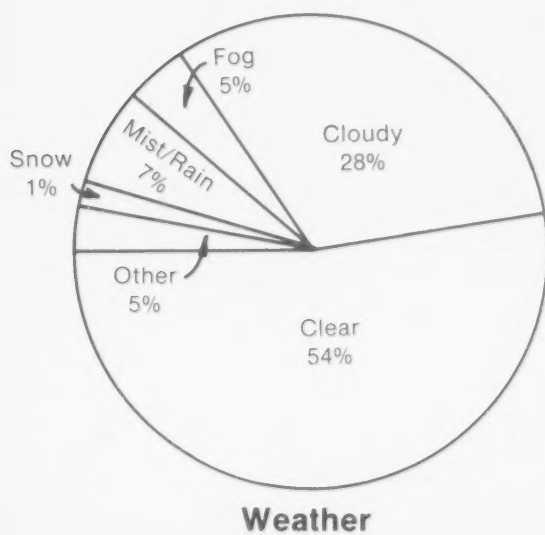
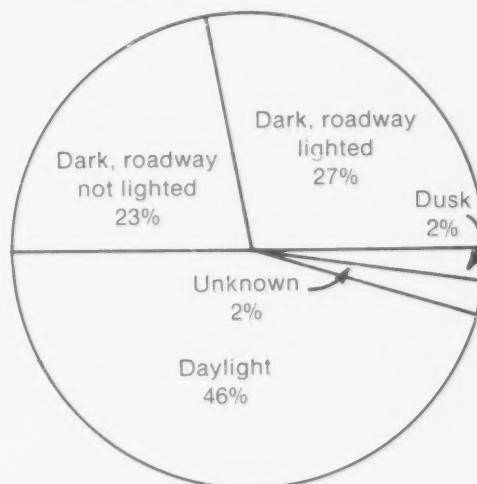
Circumstances



Accidents By Month

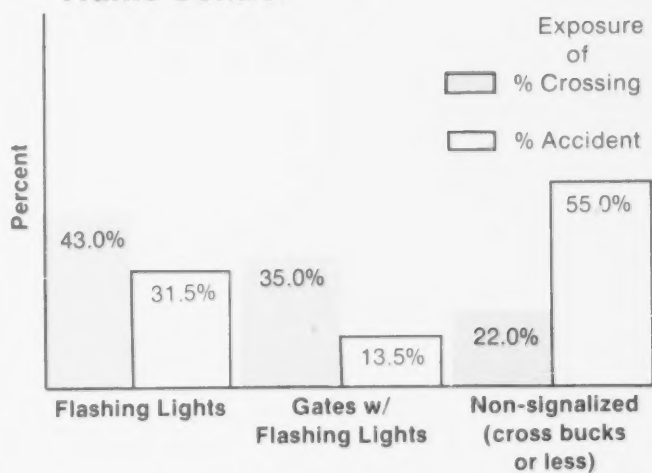


Light Conditions



Weather

Traffic Control



Note: Total percent may not equal 100 due to rounding